2-07-15 Name change:SSM HEALTH

Sewer Acct. #: 4112195400

Company: SSM CARDINAL GLENNON

CHILDREN'S HOSPITAL

Address: 1465 South Grand Blvd.

City: St. Louis

State and Zip: MO 631041095

Ind_id File Code

File Description

64240

40

PERMIT



Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913

Phone: 314.436.8710 www.stimsd.com

VIA CERTIFIED MAIL # 70142120000253295641

May 4, 2021

Madison Himelright
Environmental Safety Specialist
SSM HEALTH CARDINAL GLENNON CHILDREN'S HOSPITAL
1015 Corporate Square Dr., Suite 110
St. Louis, MO 63132

Re: Discharge Permit No:

1020548900

For premise at:

1465 S Grand Boulevard, Saint Louis, MO 63104

Dear Ms. Himelright:

Your Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit issued on May 1, 2020, for the above premise, is herby revised as per the attached revised permit.

The following revisions were made to the permit:

- Removal of Special Condition A.1: Radioactive Discharge Reporting Requirements. Per
 previous correspondence on January 11, 2021 and March 26, 2021, radioactive materials
 are no longer onsite at this facility.
- Removal of Special Condition C.1: Sampling / Reporting Requirement for Ordinance Total Phenols using EPA Method 420.1. This was an allowance made when MSD's small river total phenols local limit was only 0.15 mg/L. However, that limit no longer applies, and all MSD total phenols local limits are 21 mg/L.
- Addition of Special Conditions A.1 & A.2: First Required Report & Permit Year
 Commencement. These dates for reporting were previously listed under General
 Condition A.9 but are now listed as individual Special Conditions. Please note that the
 due dates have not changed from the previous permit.

We have reissued the entire permit for your convenience. Please replace your prior permit with this letter and the revised permit. The terms of the revised permit supersede your prior permit.

You must submit monitoring reports on a quarterly basis, as required by the conditions of this permit. The necessary report form is appended to the permit. It includes the specific certifications required by your permit. Please use this form for your report submittals. Instructions for completing the report form also are enclosed with this letter.

This revision does not affect any monitoring or analysis of your discharge that may be necessary to comply with other requirements of your permit and in no way relieves you of your obligations to achieve the discharge limitations as provided in the permit.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8762, if you have any questions.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Carly Reidt

Assistant Engineer

Enclosures: Industrial Wastewater Discharge Permit, Self-monitoring Report Form, Self-monitoring Report Instructions

ec: Doug Mendoza

METROPOLITAN ST. LOUIS SEWER DISTRICT DIVISION OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 1020548900

EFFECTIVE DATE:

May 01, 2021

EXPIRATION DATE:

April 30, 2025

ISSUED TO: SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 South Grand Blvd. St. Louis, MO 63104

SIC NUMBER(S): 8069

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 3

SAMPLING PT. REF NUMBER(S): 001, 004, 005

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 15048, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Assistant Engineer

Douglas M./Mendoza, P.E. Mgr. of Industrial Pretreatment

1020548900

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DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER:

SAMPLING POINT LOCATION:

MH on sidewalk S of Vista Ave., E of overhead walkway, Flow from SE

AVERAGE WASTEWATER FLOW (GPD): 72,175

WASTEWATER SOURCE AND CATEGORY: Storm Water + Sanitary + Non-Contact Cooling Water + Kitchen Waste (Food prep) + Hospital Waste + Boiler Blowdown

001

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day) [mg/L]	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	***	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

^{*} Limits are based on MSD Ordinance 15048 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

^{**} See Section I.A.2 of the permit conditions.

^{***} Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

^{****} See Section I.A.11 of the permit conditions.

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May 01, 2021

DISCHARGE LIMITATIONS

004

SAMPLING POINT REFERENCE NUMBER:

SAMPLING POINT LOCATION:

MH 3' W from SW corner of emergency building

AVERAGE WASTEWATER FLOW (GPD): 7,879

WASTEWATER SOURCE AND CATEGORY: Storm Water + Sanitary + Hospital Waste

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	****	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 ma
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
oH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

Limits are based on MSD Ordinance 15048 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

^{**} See Section I.A.2 of the permit conditions.

^{***} Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

^{****} See Section I.A.11 of the permit conditions.

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May 01, 2021

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 005

SAMPLING POINT LOCATION:

Manhole 12' N, 10' E from the NW corner of the west building

AVERAGE WASTEWATER FLOW (GPD): 8,861

WASTEWATER SOURCE AND CATEGORY: Storm Water + Sanitary + Non-Contact Cooling Water (Autoclaves) + Hospital Waste

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	***	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
[emperature [Deg C]	60	Instant	Once/3 mo
「otal Phenols [mg/L]	21	Instant	Once/3 mo
otal Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
oH [SU]	11.5	Instant	Once/3 mo
oH [SU]	5.5	Instant	Once/3 mo

^{*} Limits are based on MSD Ordinance 15048 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

^{**} See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

^{****} See Section I.A.11 of the permit conditions.

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Page No.: Effective Date:

May 01, 2021

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
 - 2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A DAILY AVG limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A DAILY MAX limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive <u>sampling</u> days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

- 3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:
 - a. Temperature, pH and chlorine residual measurements, when required, shall be made on-site at the points of discharge and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
 - b. For oil and grease, total phenois, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
 - c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

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When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed

in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual 5. samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 15048. The permittee shall include, with each self-monitoring report, a summary of the continuous monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, and the total time for all excursions for temperature, pH, and/or lower explosive limit.
- If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:

All facility and sample description information required on the District's reporting form.

Analytical results, with dates and times, for all analyzed samples collected within the quarter. b.

Daily flows, with dates, for all measurements or estimates made within the quarter. C.

d. Any certification statements required pursuant to the Special Conditions in Section II.

Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 15048. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of: The report must be postmarked no later than: January 1 through March 31 April 28 April 1 through June 30 July 28 July 1 through September 30 October 28 October 1 through December 31

January 28 A report must be submitted for each calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter.

- If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.
 - Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical

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Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

B. CHANGE IN DISCHARGE:

- The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- 2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.
 - 3 As defined in Article II of District Ordinance 15048, significant new or increased discharge means:
 - Any discharge from a new process or facility or a new source.
 - Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
 - Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
 - Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 15048.
 - Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
 - Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article Il of District Ordinance 15048.
 - Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

C. PROBLEM DISCHARGE:

- Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.
- 2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents

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3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Division of Environmental Compliance.

E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

F. PERMIT TERMINATION OR MODIFICATION:

- 1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.
- 2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 15048, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 15048 until the District issues a new permit or denies the application.

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and

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May 01, 2021

Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 15048.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 15048.

M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Send to: DECPT@stlmsd.com

If you do not have access to email, the form may be mailed to:

Metropolitan St. Louis Sewer District Division of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

Please do not submit both an emailed report and a mailed report.

- 2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.
- 3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

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Effective Date:

May 01, 2021

SECTION II- SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

A. REPORTING REQUIREMENTS

A.1. First Required Report

The first report under this permit is due by July 28, 2021.

A.2. Permit Year Commencement

For non-quarterly self-monitoring requirements, the permit year commences on April 1, 2021.

B. SPECIAL BILLING REPORTING REQUIREMENTS

8.1. Reporting Changes Which Might Impact Return Factor

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on FIFTY-ONE (51) percent of the used water (on an annual basis) being discharged to the District from account number 00208068. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

C. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

C.1. No Monitoring When Influenced by Storm Runoff

Sampling points 001, 004 and 005, may, at times, convey storm water in addition to wastewater regulated by this permit. The self-monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

THIS IS THE LAST PAGE OF THIS PERMIT

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL WASTEWATER DISCHARGE PERMIT

DOCUMENTATION FORM for PERMIT REVISION

Company N	Vame:	SSM HEALTH CARDINAL GLENNON CHILDREN	<u>I'S HO</u>	<u>SPITAL</u>		
Premise Ad	dress:	1465 S Grand Boulevard, Saint Louis, MO 63104	<u>1</u>			
Former Pern	nit No:	<u>1020548900 - 1</u> Orig	ginal Eff	ective D	ate:	<u>5/1/2020</u>
Revised Pern	nit No:	<u>1020548900</u> Revi	sion Eff	fective D	ate:	<u>5/1/2021</u>
WHY - Cite re	gulation	n, policy, etc. and identify any other documents which	h suppo	ort the re	vision	· ·
For Tot	tal Pher	1, 2021 letter & March 26 th email, radioactive materingles, this condition is being removed bcause all To in what is to be revised and then list the pages & how	tal Phe	nols loc		
Ordian now Sr WHAT – List th and complete t #9 - dis	ce Tota pecial C ne Perm those q scharge	tion for quarterly radioactive reporting requirement I Phenols removed. First required report & permit conditions, rather than a General Condition. In this preparation Checklist questions for which answer uestions & attach the applicable checklist sheets: The of radioactive materials, #25 - total phenols (note, klist as it was removed from the template.), & #30 -	year co s have this qu	ommenc changed estion is	ement d from s not c	last permit,
Pg. #	<u>10</u>	Removed A.1 - Radioactive Discharge Report	Requir	ements.	s.	
Pg. #	11	Removed C.1 - Sampling/Reporting Requirement	ent for	<u>Ordinar</u>	<u>ice To</u>	<u>stal Phenols.</u>
Pg. #	<u>10</u>	Added A.1 - First Required Report.				
Pg. #	<u>10</u>	Added A.2 - Permit Year Commencement.				
SMR Start Date Once/3 Once/6 Once/y	l mo: l mo:	ny new requirements: or ⊠ no new requirements or ⊠ no new requirements or ⊠ no new requirements				
SUPPORTING	DOCL	IMENTS ATTACHED		YES	NO	N/A
"Special Certs	& Gen	Rpts for Spec Conditions not tied to Specific SPs" S	heet:	\boxtimes		
Permit Prepara	ation Ch	necklist (Only the pages for Q's #9 & # 30)		\boxtimes		
Pollutant & Lim	nitations	Documentation Sheets (for Sampling Points)		\boxtimes	
Production-bas	sed Sta	ndards Calc. Sheets (for Sampling Points)				\boxtimes
Mass-based S	tandard	ls Calc. Sheets (for Sampling Points)				\boxtimes
Most Strict Lim	iits She	ets (for Sampling Points)				\boxtimes
Combined Wa	stestrea	am Formula Sheets (for Sampling Points)				\boxtimes
Text of any Cu	stomize	ed Special Conditions: If Yes, for which SCs:				\boxtimes
Other:						
Prepared	by: C.	Reidt Date: 4/22/2021				

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Reviewed by: Doug Mendoza

Date: 5/4/2021

PERMIT NO: 1020548900

CHANGES TO

Special Certifications & General Reports for Special Conditions not tied to specific sample points

ADDITIONS:	Special Conditions:	# <u>A.1</u> ,	# <u>A.2</u> ,	#	#	#;	#	#
	Related SMR Certs: SMR Cert Frequency	***************************************	#, [<u>none]</u> ,	#, [<u>none]</u> ,	#, [<u>none]</u> ,	#, [<u>none]</u> ,	#, [<u>none]</u> ,	# [none]
	Related General Rpt: Gen Rpt Frequency:	, [<u>none]</u> ,	, [<u>none]</u> ,	<u>[none]</u> ,	, [<u>none]</u> ,	 [<u>none]</u> ,	 [<u>none]</u> ,	[none]
Are the	e ADDITIONAL SMR o	erts associated	d with first pern	nit sample poin	t (<u>001</u>)? YES 🛭	NO □		
DELETIONS:	Special Conditions:	# <u>E.18</u> ,	# <u>D.3</u> ,	#,	#,	#	#	#
	Related SMR Certs:	#	#	#,	#	#,	#	#
	Related General Rpt:	Rad. discha	rge report,		,		¹	
Were t	the DELETED SMR ce	erts removed fro	om the first per	mit sample poir	nt (<u>001</u>)?	YES⊠ NO		
	Check here if	there are <u>no c</u>	<u>hanges</u> to non-	-SP-specific Sp	ecial Certificati	ons or Genera	l Reports:	

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PERMIT PREPARATION CHECKLIST – PART 1 (Fact Sheet Attachment)

Company Name: SSM HEALTH CARDINAL GLENNON CHILDREN'S HOSPITAL Permit No.: 1020548900

Effective Date: 5/1/2021 Prepared by: C. Reidt Date: 4/22/2021

REVIEW THE PRETREATMENT DATABASE (IPACS), INDUSTRY FILE AND PERMIT APPLICATION. ANSWER THESE QUESTIONS & UPDATE THE DATABASE PRIOR TO DEVELOPING THE DRAFT PERMIT. Yes 🗌 No 🔲 1. Are the correct SICs listed? delete: _____ If no, add Is user in surcharge? 2. Yes 🗌 No [If yes, date last certified: If yes, Special Condition F.2 applies. Does user's premise have more than one MSD account? 3. Yes 🗌 No [If yes, were all account numbers correctly listed (including occupant #s)? Yes No If no, have account numbers been corrected in database before proceeding? Yes No Does user have a Return Factor (RF) other than 1.00 for any account? 4. Yes No [If yes, list acct no., RF and date last updated: Acct Updated RF Acct RF Updated If yes, Special Condition F.1 applies. Does user discharge water (on-site) from a source not included in the MSD Billing system? Yes No No If yes, Special Condition F.3 & General Report "Discharge Volume for Billing" apply. If yes, Is a flow meter used to record the volume discharged from this other source? Yes 🗌 No 🗌 If yes, SC E.37 and Gen. Rpt. "Calibration of Discharge Flow Meter" apply. If no, SC E.38 applies. Have you established agreement among permit application, water consumption records and iPACS on component flows at each SP, total SP flows and total premise flow? Yes 🔲 No 🗀 If no, explain Has user been granted any variances from ordinance limitations? 7. Yes No No If yes, Application Date: ___, or approved as part of this permit issuance? Yes \Box Approval Date: (Variances cannot last more than 5 years after approval) If ves. Parameter(s) at SP(s) If yes, Special Condition C.4 applies.

Have any numerical limitations been applied to user, in addition to those already contained in 8. the ordinance? nance?

If yes, Parameter(s) at SP(s)

Date limit(s) originally applied: , or as part of variance above?

If yes, are Special Conditions, other than the standard special conditions, required?

If yes, explain under "non-standard special conditions" question below. Yes No Yes 🗌 No 🔲 Does user discharge any radioactive materials? 9. Yes 🗌 No 🛛 If yes, Special Condition E.18 & General Report "Radiation Discharge" apply. Does user generate wastes and/or wastewater by genetic engineering research? 10. Yes No [If yes, Special Condition B.12 applies. Do all of the user's active connections, to MSD sewers, have identified SPs? 11. Yes No If no, explain: If no, is documentation sufficient to use Special Condition? Yes No E.5 The "Sampling Not Required at Connections with NO SP and with SP on parts", E.6 The "Sampling Not Required at Connection with NO SP on it", E.7 The "Sampling Not Required at Connection with SP on only part of it," or E.8 T "Sampling Not Required at Permittee with No SP"? If no, is compliance schedule necessary to obtain documentation? Yes П No П If yes, Special Condition G.1 is necessary. Does premise require use of "upstream/downstream" sampling? 12. Yes ☐ No ☐ If yes, Upstream SP # & Downstream SP # If yes, Special Conditions D.11 and E.9 apply. Are there any inactive connections to MSD sewers? 13. Yes No If yes, Special Condition E10 applies. Have you verified, in iPACS, the SP location descriptions are complete and adequate? 14. Yes No 15 Have you verified, in iPACS, the discharge components, process descriptions and related flows at all SPs, are complete and adequate? Yes No

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30.	If yes, firs	t due date for quarterl		r pag i ang i ang pag i ang pag i ang pag i ang pag pag pag pag pag pag pag pag pag pa	Yes 🖾 No 🗀	90
	Are there	yes, permit year comr	ing or reporting requirent mencement date for non		Yes ⊠ No 🗌	
31.	Is user classified a	yes, Special Condition as a Categorical Indus mplete part 2 of checkl	trial User (CIU)?	(1884-1884-1884-1884-1884-1884-1884-1884	ranaminina ya gamana manaminina manaminina manaminina manaminina manaminina manaminina manaminina manaminina m Yes 🔲 No 🗍	88%
List al List th List th	I the Special Condit lose that are specificose that are not spe	ions from Part 1 that a c to a sampling point o ecific to a sampling po General Report	are applicable to this perion that sampling point's fint on the "Special Cond Special Condition # A.1	mit. act sheet, too. itions Not Tied to Specil Sampling Point # N/A	fic SPs" fact sheet, too.	
			A.2	N/A		

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Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 Phone: 314.768.6200 www.stlmsd.com

March 11, 2020

Madison Himelright
Environmental Safety Specialist
SSM HEALTH CARDINAL GLENNON CHILDREN'S HOSPITAL
1015 Corporate Square Dr., Suite 110
St. Louis, MO 63132

Re: Discharge Permit No:

1020548900 - 1

For premise at:

1465 S Grand Boulevard, Saint Louis, MO 63104

Dear Ms. Himelright:

The Metropolitan St. Louis Sewer District has completed its review of your application for renewal of the Industrial Wastewater Discharge Permit for the above premise. The current permit expires on April 30, 2020.

Federal regulation 40 CFR 403 requires MSD to issue a permit to you. We based the draft permit on the following: information that you supplied in your Industrial User Questionnaire, on results from previous wastewater samplings and inspections, and on requirements contained in existing MSD ordinances and state and federal regulations.

Except as noted in this paragraph, the terms and conditions of this permit are substantially the same as in the previous permit. Changes include:

Removal of silver monitoring at Sample Points 001, 004, & 005.

Please review this draft copy carefully. If you disagree with any of the terms or conditions of the proposed permit please inform us, in writing, within 15 working days of receipt. MSD will deem absence of a response within this period as acceptance of the draft permit, and we will proceed to issue the final permit.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8762, if you have any questions.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Carly Reidt

Associate Engineer

Carry Reicht

Enclosures: Draft Industrial Wastewater Discharge Permit

ec: Doug Mendoza

METROPOLITAN ST. LOUIS SEWER DISTRICT DIVISION OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 1020548900 - 1

EFFECTIVE DATE:

May 01, 2020

EXPIRATION DATE:

April 30, 2025

ISSUED TO: SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 South Grand Blvd. St. Louis, MO 63104

SIC NUMBER(S): 8069

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 3

SAMPLING PT. REF NUMBER(S): 001, 004, 005

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 15048, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Carly Reidt Associate Engineer Douglas M. Mendoza, P.E. Mgr. of Industrial Pretreatment

1020548900 - 1

May 01, 2020

Page No.: Effective Date:

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 004

SAMPLING POINT LOCATION:

MH 3' W from SW corner of emergency building

AVERAGE WASTEWATER FLOW (GPD): 7,879

WASTEWATER SOURCE AND CATEGORY: Storm Water + Sanitary + Hospital Waste

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day) [mg/L] Chemical Oxygen Demand [mg/L] Flow [GPD] Oil and Grease (Total) [mg/L] Temperature [Deg C] Total Phenols [mg/L] Total Suspended Solids [mg/L] Total Toxic Organics [mg/L] pH [SU] pH [SU]	**** **** 200 60 21 **** 5.844 11.5 5.5	Daily Avg Daily Avg Daily Avg Instant Instant Instant Daily Avg Instant Instant	Once/3 mo Once/year Once/3 mo Once/3 mo Once/3 mo

Limits are based on MSD Ordinance 15048 and applicable federal categorical standards. See Section Il of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

See Section I.A.11 of the permit conditions.

Permit No.: Page No.:

Effective Date:

1020548900 - 1

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May 01, 2020

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
 - 2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A **DAILY AVG** limitation is the maximum allowable concentration or **mass** of the pollutant in a composite sample collected within a 24-hour period.

A **DAILY MAX** limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive <u>sampling</u> days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:

a. Temperature, pH and chlorine residual measurements, when required, shall be made on-site at the points of discharge and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.

b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.

c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

Permit No.: 1020548900 - 1
Page No.: 7
Effective Date: May 01, 2020

Effective Date: May 01, 2020

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD)

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

B. CHANGE IN DISCHARGE:

- 1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- 2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.
 - 3. As defined in Article II of District Ordinance 15048, significant new or increased discharge means:

Any discharge from a new process or facility or a new source.

- b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
- c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
- d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 15048.
- e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
- f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 15048.
- g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

C. PROBLEM DISCHARGE:

- 1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.
- 2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to

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May 01, 2020

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 15048.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 15048.

M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District Division of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

- 2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.
- 3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

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May 01, 2020

C. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

C.1. Sampling / Reporting Requirement for Ordinance Total Phenols

Analysis for Total Phenols is to be performed using EPA Method 625. The result to be reported is the arithmetic sum of the concentrations found for the following individual phenolic compounds:

4-chloro-3-methylphenol

4,6-dinitro-2-methylphenol

pentachlorophenol

2-chlorophenol

2,4-dinitrophenol

phenol

2,4-dichlorophenol

2-nitrophenol

2,4,6-trichlorophenol

2,4-dimethylphenol

4-nitrophenol

As an option, prior to performing the Method 625 analysis, an initial screening may be performed using EPA Method 420.1. If this option is chosen, two separate samples must be collected, one preserved for the method 420.1 analysis and one unpreserved for a method 625 analysis, if necessary. If the screening produces a result which is less than the permit limitation for Total Phenols, the result should be reported as "less than (numerical result)", and the Method 625 analysis need not be performed. If Method 420.1 produces a result which is greater than the permit limitation, the unpreserved sample must be analyzed using Method 625 and the Method 625 result must be reported. Note: The screening analysis must be completed and a result obtained within sufficient time to ensure the Method 625 analysis, if required, can begin within the 7 day holding time of the unpreserved sample.

C.2. No Monitoring When Influenced by Storm Runoff

Sampling points 001, 004 and 005, may, at times, convey storm water in addition to wastewater regulated by this permit. The self-monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

THIS IS THE LAST PAGE OF THIS PERMIT

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORMATION	l		
Company Name: SSM CARDINAL GLENNO	ON CHILDREN'S HOS	PITAL	
Permit No: 1020548900-1 Effective Da	ite: 05/01/2020	Expiration Date: 04/	30/2025
Premise Address: 1465 South Grand Blvd, 63			
Monitoring Period: □(JAN-MAR)	□(APR-JUNE)	□(JULY-SEPT)	□(OCT-DEC)
Samples Collected By:			
Analyses Performed By:			
PART II: ANALYTICAL RESULTS OF S	SELF MONITORING		
MSD SAMPLE POINT REFERENCE NUMBERS			
DATES ON WHICH SAMPLES WERE COLLECTED			
TIMES AT WHICH SAMPLES WERE COLLECTED			
PARAMETER LIMIT	RECORD SAMPLE TYPE (G=grab, C=composi	ES (G, C, M OR E) AND RESULT ite, M-measured flow, E-estimated flow	S BELOW UNITS
FLOW			
			10 miles
		1 2 2	

You must complete and sign the certification statements on the second page.

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION	
Company Name: SSM CARDINAL GLENNON C	CHILDREN'S HOSPITAL
Permit No: <u>1020548900-1</u>	
Premise Address: 1465 South Grand Blvd, 6310	4
Reporting Period: □(JAN-MAR) □(APR-JUN	NE) [JULY-SEPT] [OCT-DEC]
PART II: RECORD OF DISPOSAL OF RAI	DIOACTIVE MATERIALS TO THE SEWER SYSTEM
RADIONUCLIDE	ACTIVITY YISCHARGEY (millicuries)
	(Triminosi Teo)
TOTAL ACTIVITY YISCHARGEY:	
PART III: CERTIFICATION STATEMENTS	
Place your initials in the box under item c. Everyone must complete the information unde	er items A & B and sign this report.
A. CERTIFICATION OF COMPLIANCE WITH	H STATE AND FEDERAL REGULATIONS
I certify that to the best of my knowledge & belief all	I requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090
B. RADIOACTIVE MATERIALS DISCHARGE	경기 사람들이 생각이 되는 것도 보면 된 가게 되는 데 못 생각하면 하는데 가지나 가지 않는데 그 나는 데 그는 것이다.
of the person or persons who manage the system or those no	hments were prepared under my direction or supervision in accordance operly gather and evaluate the information submitted. Based on my inquiry ersons directly responsible for gathering the information, the information curate, and complete. I am aware that there are significant penalties for imprisonment for knowing violations.
Print/type name of signing official:	
Title:	
	Date:

radrpt.doc 2/00

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT FACT SHEET

Check one: FIRST TIME PERMIT □ Prepared by: C. Reidt Reviewed by: 0MM	Date: 2/2		0
PERMIT NO: <u>1020548900 - 1</u> EFFECTIVE DATE: <u>5/1/2020</u> EXPIRATION	ON DATE	4/30/2	025
COMPANY NAME: SSM HEALTH CARDINAL GLENNON CHILDREN'S HOSP	ITAL		
PREMISE ADDRESS: 1465 S Grand Boulevard, Saint Louis, MO 63104			
RELATED ACCOUNT NUMBERS: N/A			
TYPE OF OPERATION: Pediatric hospital services			
TOTAL NUMBER OF SAMPLING POINTS: 3 or NO SAMPLING POINT			
NUMBER OF: ORDINANCE 3 CATEGORICAL COMBINE	D		
CATEGORICAL INDUSTRY? YES ☐ NO ☒			
If Yes, 40 CFR Subpart	PSES 🗌	PSNS [
40 CFR Subpart	PSES 🗌	PSNS [
EXTRA STRENGTH SURCHARGE? YES \(\subseteq \text{NO} \text{ If Yes, BOD} \) COL	o	TSS _	
RETURN FACTOR? YES ⊠ NO ☐ If Yes, Acct #(s) 208068	RF <u>0.5</u>	1	
SPECIAL CONDITIONS REQUIRED? YES ⊠ NO □			
All SMR start dates begin at start of calendar quarter: ☐ same as/containing ☐ following permit effectives:			date
SMR General Cert. B attached to first permit SP (001) at reporting frequency of	once/3mc	? Y ⊠	N
SUPPORTING DOCUMENTS ATTACHED "Special Certs & Gen Rpts for Spec Conditions not tied to Specific SPs" Sheet:	YES 🖂	NO	N/A
Pollutant & Limitations Documentation Sheets:	\boxtimes		
Permit Preparation Checklist:			
Production-based Standards Calc. Sheets (for Sampling Points)			
Mass-based Standards Calc. Sheets (for Sampling Points)			
Equivalent Concentration Limits Sheets (for Sampling Points)			\boxtimes
Most Strict Limits Sheets (for Sampling Points)			\boxtimes
Combined Wastestream Formula Sheets (for Sampling Points)			\boxtimes
Text of any Customized Special Conditions: If Yes, for which SCs:			\boxtimes
Other:			
COMMENTS (Include notations of any significant changes from la Silver has been removed. Per contact, the hospital is now 100% digital imaging last five years show that silver has been predominantly non-detect, or present a correspondance also attached.	. Attached	data fro	

REV 01/04/2019

Page 1 of 5

Flow Rate: 72,175	Flow Rate: 72,175 Units: GPD Basis for Flow Rate: 1/13/2020 IUQ	Basis for Flow Rate: 1/13/2020 IUQ	2020 IUQ	A STATE OF THE STA		
Pollutants	Basis for inclusion (or exclusion of std polls)	Basis for limitation (Ord 15048, CFR, etc)	n Monitoring frequency	Basis for monitoring freq. (std for vol, etc; innocuous, low flow, etc)	oring freq. euous, low flow, etc)	Any OK?
GENERAL:						The state of the s
FLOW	Standard	N/A	once 3 mo	Standard		
BOD	Standard	N/A	once 3 mo	Standard for volume,	ie, hospital waste	
COD	Standard	N/A	once 3 mo	Standard for volume, hospital waste	ie, hospital waste	
O&G	Standard	Ordinance 15048	once 3 mo	Standard for volume,	ie, hospital waste	
Hd	Standard	Ordinance 15048	once 3 mo	Standard for volume, hospital waste	ie, hospital waste	
Temp	Standard	Ordinance 15048	once 3 mo	Standard for volume, hospital waste	ie, hospital waste	
TSS	Standard	N/A	once 3 mo	Standard for volume, hospital waste	ie, hospital waste	
Ord. TTO	Some KP organics, standard	Ordinance 15048	once/year	Standard for volume, hospital waste	ie, hospital waste	
Total Phenols	KP, standard for hospitals	Ordinance 15048	once 3 mo	Standard for volume, hospital waste	ie, hospital waste	
			[none]			
PRIORITY/CATEGORICAL:	INCAL:					
			[none]			
			[none]			
			[none]			
			[none]			
			[none]		The state of the s	
	The distriction of the second second	The street of The Street	[none]	A Supplied Comments		
		A STATE OF THE STA	[none]			
			[none]			
		The state of the s	[none]			
			[none]			
Special Condition:	ndition: # <u>D.10</u> #	#	# -	#		#
List related SMR certs: SMR cert frequency:	# [none]	# [none] #	[none] #	# [none]	#	#
List related General Rpts: General Rpt frequency:	# [none]	# [none] #	# [none]	# [none]	# [none]	#
Is this an Ord or Comb	Is this an Ord or Comb SP w/mon for TTO and that has no TOs on site? YES		NO X If Yes, is SMR Gen Cert. A attached at once/3 mo freq.? YES	en Cert. A attached a	at once/3 mo freq.?	, YES □
Any cianificant change	Any cignificant changes VES ON Sylain:					
Ally significant crian						

Flow Rate: 8,861	Units: GPD	Basis for Flow Rate: 1/13/2020	13/2020			
Pollutants	Basis for inclusion (or exclusion of std polls)	Basis for limitation (Ord 15048, CFR etc)	ation Monitoring	-	Basis for monitoring freq. (std for vol, etc; innocuous, low flow, etc)	40
GENERAL:						
FLOW	Standard	N/A	once 3 mo	Standard for volume	ir volume	
BOD	Standard	N/A	once 3 mo		Standard for volume, hospital waste	9
COD	Standard	N/A	once 3 mo		Standard for volume, hospital waste	Ф
0&G	Standard	Ordinance 15048	once 3 mo		Standard for volume, hospital waste	Ф
Hd	Standard	Ordinance 15048	once 3 mo		Standard for volume, hospital waste	Ф
Temp	Standard	Ordinance 15048	once 3 mo		Standard for volume, hospital waste	Ф
TSS	Standard	N/A	once 3 mo		or volume, hospital waste	Ф
Ord. TTO	Some KP organics, standard	Ordinance 15048	once/year		Standard for volume, hospital waste	9
Total Phenols	KP, standard for hospitals	Ordinance 15048	once 3 mo		Standard for volume, hospital waste	Ф
			[none]			
PRIORITY/CATEGORICAL:	ORICAL:					
			[none]			
			[none]			
			[none]			
			[none]			
			[none]			
			[none]			
			[none]			
			[none]			
			[none]			
			[none]			
Special Condition:	ndition: # <u>D.10</u> #	#	#	#	#	#
List related SMR certs: SMR cert frequency:	# [none]	[none] #	# [<u>lonon]</u>	# [none]	[none] #	#
List related General Rpts: General Rpt frequency:	# [<u>louou]</u>	[none] #	# [none]	euou] #	# [none]	# [none]
Is this an Ord or Comb	Is this an Ord or Comb SP w/mon for TTO and that has no	s no TOs on site? YES	NO ⊠ If Yes, is	SMR Gen Cert. A att	NO X If Yes, is SMR Gen Cert. A attached at once/3 mo freq.? YES	1.2 YES
Any significant changes? YES	des? YES ☐ NO ☐ Explain:	ij.				

PERMIT PREPARATION CHECKLIST – PART 1 (Fact Sheet Attachment)

Company Name: SSM HEALTH CARDINAL GLENNON CHILDREN'S HOSPITAL Permit No.: 1020548900 - 1

Effective Date: 5/1/2020

Prepared by: C. Reidt

Date: 2/24/2020

REVIEW THE PRETREATMENT DATABASE (PIMS), INDUSTRY FILE AND PERMIT APPLICATION. ANSWER THESE QUESTIONS & UPDATE THE DATABASE PRIOR TO DEVELOPING THE DRAFT PERMIT. Are the correct SICs listed? Yes ⊠ No □ If no, add delete: Is user in surcharge? 2. Yes No No If yes, date last certified: If yes, Special Condition F.2 applies. Does user's premise have more than one MSD account? 3. Yes No No If yes, were all account numbers correctly listed (including occupant #s)? Yes \square No \square If no, have account numbers been corrected in database before proceeding? Yes No No Does user have a Return Factor (RF) other than 1.00 for any account? Yes ⊠ No □ 4. If yes, list acct no., RF and date last updated: Acct 1020548900 RF 0.51 Updated 1/17/2018 Acct Updated RF If yes, Special Condition F.1 applies. Does user discharge water (on-site) from a source not included in the MSD Billing system? 5. Yes ☐ No ☒ If yes, Special Condition F.3 & General Report "Discharge Volume for Billing" apply. If yes, Is a flow meter used to record the volume discharged from this other source? Yes \ No \ \ If yes, SC E.37 and Gen. Rpt. "Calibration of Discharge Flow Meter" apply. If no, SC E.38 applies. Have you established agreement among permit application, water consumption records and PIMS on component flows at each SP, total SP flows and total premise flow? Yes No 🗆 6. If no, explain Has user been granted any variances from ordinance limitations? Yes ☐ No ☒ 7. If yes, Application Date: Approval Date: __, or approved as part of this permit issuance? Yes [(Variances cannot last more than 5 years after approval) If yes, Parameter(s) at SP(s) If yes, Special Condition C.4 applies. Have any numerical limitations been applied to user, in addition to those already contained in Yes No No 8. the ordinance? If yes, Parameter(s)

Date limit(s) originally applied:

If yes, are Special Conditions, other than the standard special conditions, required?

If yes, explain under "non-standard special conditions" question below. Yes No No Does user discharge any radioactive materials? Yes No 🗌 9. If yes, Special Condition E.18 & General Report "Radiation Discharge" apply. Does user generate wastes and/or wastewater by genetic engineering research? Yes No No 10. If yes, Special Condition B.12 applies. Do all of the user's active connections, to MSD sewers, have identified SPs? Yes ⊠ No □ 11. If no, explain: If no, is documentation sufficient to use Special Condition Yes No No E.5 Tsampling Not Required at Connections with NO SP and with SP on parts", E.6 The "Sampling Not Required at Connection with NO SP on it", E.7 The "Sampling Not Required at Connection with SP on only part of it", or E.8

"Sampling Not Required at Permittee with No SP"? If no, is compliance schedule necessary to obtain documentation? Yes No No If yes, Special Condition G.1 is necessary. Does premise require use of "upstream/downstream" sampling? Yes No No 12. If yes, Upstream SP #_ & Downstream SP # If yes, Special Conditions D.11 and E.9 apply. Are there any inactive connections to MSD sewers? Yes No 🛛 13. If yes, Special Condition E10 applies. Have you verified, in PIMS, the SP location descriptions are complete and adequate? Yes No No 14. Have you verified, in PIMS, the discharge components, process descriptions and related 15. flows at all SPs, are complete and adequate? Yes No 🗆

List all the Special Conditions from Part 1 that are applicable to this permit.
List those that are specific to a sampling point on that sampling point's fact sheet, too.
List those that are not specific to a sampling point on the "Special Conditions Not Tied to Specific SPs" fact sheet, too.

General Report	Special Condition #	Sampling Point #
Radiation	E.18	N/A
Discharge report		
	D.10	001, 004, 005
	D.3	N/A
	F.1	N/A
		And the second



Metropolitan St. Louis Sewer District

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Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913

Phone: 314.768.6200 www.stlmsd.com

March 27, 2015

Greg Hrbacek
Team Leader Plant Operations
SSM CARDINAL GLENNON CHILDREN'S HOSPITAL
1465 South Grand Blvd
St. Louis, MO 63104-1095

Re:

Discharge Permit No:

1020548900 - 1

For premise at:

1465 South Grand Blvd., St. Louis, MO 63104

Dear Mr. Hrbacek:

The Metropolitan St. Louis Sewer District has developed an Industrial Wastewater Discharge Permit for the above premise. Federal regulation 40 CFR 403 requires MSD to issue a permit to you. We based the permit on the following: information that you supplied in your Industrial User Questionnaire, on results from previous wastewater samplings and inspections, and on requirements contained in existing MSD ordinances and state and federal regulations.

The terms and conditions of this permit are substantially the same as in the previous permit. You must submit monitoring reports on a quarterly basis, as required by the conditions of this permit. The first report due date, for this reissued permit, is based on a complete calendar quarter monitoring period. The permittee remains responsible for reporting for the preceding calendar quarter under the previous permit. The necessary report form is appended to the permit. It includes the specific certifications required by your permit. Please use this form for your report submittals. Instructions for completing the report form also are enclosed with this letter.

If you disagree with any of the terms or conditions of this permit please inform us, in writing, within 15 working days of receipt. MSD will deem absence of a response within this period as acceptance of the permit.

Please be aware that an annual permit fee will be added to your monthly sewer bill, or you will receive a separate bill, to cover administrative costs associated with the permit, as provided for under MSD ordinance 12413. The fee is normally added to the last bill of each calendar year, or shortly thereafter.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8756, if you have any questions.

Sincerely.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer

Enclosures: Industrial Wastewater Discharge Permit,

Self-monitoring Report Form, Self-monitoring Report Instructions

cc: Doug Mendoza
Dave Kupke

METROPOLITAN ST. LOUIS SEWER DISTRICT DIVISION OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 1020548900 - 1

EFFECTIVE DATE:

May 01, 2015

EXPIRATION DATE:

April 30, 2020

ISSUED TO: SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 South Grand Blvd. St. Louis, MO 63104

SIC NUMBER(S): 8069

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 3

SAMPLING PT. REF NUMBER(S): 001, 004, 005

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer Douglas M. Mendoka.

Mgr. of Industrial Prefreatment

Permit No.: Page No.:

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Effective Date:

May 01, 2015

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER:

SAMPLING POINT LOCATION:

MH on sidewalk S of Vista Ave., E of overhead walkway, Flow from SE

AVERAGE WASTEWATER FLOW (GPD): 49,397

WASTEWATER SOURCE AND CATEGORY: Storm Water + Sanitary + Non-Contact Cooling Water + Kitchen Waste (Food prep) + Hospital Waste + Boiler Blowdown

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
		n-mananana Sandananan pangunan pangunan mananan manan	
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	* ************************************	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Silver (Total) [mg/L]	0.5	Daily Avg	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids [mg/L]	The second second	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

See Section I.A.11 of the permit conditions.

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May 01, 2015

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 004

SAMPLING POINT LOCATION:

MH 3' W from SW corner of emergency building

AVERAGE WASTEWATER FLOW (GPD): 5,399

WASTEWATER SOURCE AND CATEGORY: Storm Water + Sanitary + Hospital Waste

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Picchemical Overson Demand /F Day \ [ms/l]	***	Deile Asse	· Ones/2 ms
Biochemical Oxygen Demand (5 Day) [mg/L]	**** 14	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L] Flow [GPD]	***	Daily Avg Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Silver (Total) [mg/L]	0.5	Daily Avg	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids [mg/L]	***	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
рН [SU]	5.5	Instant	Once/3 mo

Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

** See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

See Section I.A.11 of the permit conditions.

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May 01, 2015

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 005

SAMPLING POINT LOCATION:

Manhole 12' N, 10' E from the NW corner of the west building

AVERAGE WASTEWATER FLOW (GPD): 6,132

WASTEWATER SOURCE AND CATEGORY: Storm Water + Sanitary + Non-Contact Cooling Water (Autoclaves) + Hospital Waste

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Farameter	best 1111	Турс	ricquency
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	***	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Silver (Total) [mg/L]	0.5	Daily Avg	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids [mg/L]	***	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

** See Section I.A.2 of the permit conditions.

*** Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

**** See Section I.A.11 of the permit conditions.

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May 01, 2015

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

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- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
 - 2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A **DAILY AVG** limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A **DAILY MAX** limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A 4-DAY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive sampling days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

- 3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:
 - a. Temperature, pH and chlorine residual measurements, when required, **shall be made on-site at the points of discharge** and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
 - b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
 - c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

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4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15,

which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- 5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- 6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- 7. If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous monitoring data. For each month, the summary shall show all excursions outside the permitted limitations; the elapsed time for each excursion, and the total time for all excursions for temperature, pH, and/or lower explosive limit.
- 8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.

9.—A self-monitoring report (on forms-supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:

a. All facility and sample description information required on the District's reporting form.

b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.

Daily flows, with dates, for all measurements or estimates made within the quarter.

d. Any certification statements required pursuant to the Special Conditions in Section II.

e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

January 1 through March 31

April 1 through June 30

For the calendar quarter of:

April 28

July 28

July 1 through September 30 October 28

October 1 through December 31 January 28

A report must be submitted for <u>each</u> calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The <u>first report</u> under this permit is due by <u>July 28, 2015</u>. For non-quarterly self-monitoring requirements, the permit year commences on <u>July 1</u>.

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10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

B. CHANGE IN DISCHARGE:

- 1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- 2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.
 - 3. As defined in Article II of District Ordinance 12559, significant new or increased discharge means:
 - a. Any discharge from a new process or facility or a new source.
 - b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
 - c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
 - d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.
 - e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
 - f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 12559.
 - g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

C. PROBLEM DISCHARGE:

1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

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2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a... The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Division of Environmental Compliance.

E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

F. PERMIT TERMINATION OR MODIFICATION:

- 1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.
- 2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

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Effective Date:

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May 01, 2015

H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

L. SEWER USE ORDINANCE

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

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M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District

Division of Environmental Compliance

10 East Grand Avenue

St. Louis, Missouri 63147-2913

- 2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.
- 3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

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Effective Date:

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SECTION II- SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

A. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

A.1. Radioactive Discharge Reporting Requirements

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

(1) For materials subject to licensing by the Nuclear Regulatory Commission:

5 curies Hydrogen-3

1 curie Carbon-14

1 curie for all other radioactive materials combined

(2) For all other materials:

1 curie for all radioactive materials combined

Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

B. SPECIAL BILLING REPORTING REQUIREMENTS

B.1. Reporting Changes Which Might Impact Return Factor

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on FIFTY-ONE (51) percent of the used water (on an annual basis) being discharged to the District from account number 00208068. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

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Effective Date:

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C. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

C.1. Sampling / Reporting Requirement for Ordinance Total Phenols

Analysis for Total Phenols is to be performed using EPA Method 625. The result to be reported is the arithmetic sum of the concentrations found for the following individual phenolic compounds:

4-chloro-3-methylphenol

4,6-dinitro-2-methylphenol

pentachlorophenol

2-chlorophenol

2,4-dinitrophenol

phenol

2,4-dichlorophenol

2-nitrophenol

2,4,6-trichlorophenol

2,4-dimethylphenol

4-nitrophenol

As an option, prior to performing the Method 625 analysis, an initial screening may be performed using EPA Method 420.1. If this option is chosen, two separate samples must be collected, one preserved for the method 420.1 analysis and one unpreserved for a method 625 analysis, if necessary. If the screening produces a result which is less than the permit limitation for Total Phenols, the result should be reported as "less than (numerical result)", and the Method 625 analysis need not be performed. If Method 420.1 produces a result which is greater than the permit limitation, the unpreserved sample must be analyzed using Method 625 and the Method 625 result must be reported. Note: The screening analysis must be completed and a result obtained within sufficient time to ensure the Method 625 analysis, if required, can begin within the 7 day holding time of the unpreserved sample.

C.2. No Monitoring When Influenced by Storm Rui

Sampling points 001, 004 and 005, may, at times, convey storm water in addition to wastewater regulated by this permit. The self-monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

THIS IS THE LAST PAGE OF THIS PERMIT

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORM	IATION								
Company Name: SSM CARDINAL G	LENNON	ĊН	ILDRE	EN'S H	OSP.	ITAL			
Permit No: 1020548900-1 Effect	tive Date	e: C	5/01/2	2015		Expirati	on Da	te: 04/30/2020	
Premise Address: 1465 South Grand	Blvd, 631	104	٠						
Monitoring Period: □(JAN-MAR)		□(A	PR-JU	JNE)		□(JULY	-SEP	г) 🗆 (O	CT-DEC)
Samples Collected By:									
Analyses Performed By:	***************************************				,				
PART II: ANALYTICAL RESULT	S OF SE	LFI	MONIT	ORIN	G	· 			i
MSD SAMPLE POINT REFERENCE NUMBERS	⇔								
DATES ON WHICH SAMPLES WERE COLLECTED	⇔								
TIMES AT WHICH SAMPLES WERE COLLECTED	: ⇨					5-8-4			
PARAMETER	LIMIT	RE				(G, C, M OR , M=measured t		RESULTS BELOW stimated flow)	UNITS
FLOW	-				I				
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You must complete and sign the certification statements on the second page.





INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

--- NONE ---

PART IV: GENERAL CERTIFICATION STATEMENTS

В	DISCHARGE MONITORING REPORT CERT	IFICATION	×	,
	All permittees must sign and complete the informa	ation below:	· · · · · · · · · · · · · · · · · · ·	
	I certify under penalty of Law that this document and a a system designed to assure that qualified personnel person or persons who manage the system, or those is, to the best of my knowledge and belief, true, accurainformation, including the possibility of fine and imprison	properly gather and evaluate the information spersons directly responsible for gathering the ate, and complete. I am aware that there are	submitted. Based on in information, the information in the informatio	my inquiry of the mation submitted
	Print or type name of signing official:	<u> </u>	······	,
	Title:	Telephone:		-
	Signature:	Date:		

2



Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 Phone: 314.768.6200 www.stlmsd.com

February 19, 2015

Greg Hrbacek
Team Leader Plant Operations
SSM CARDINAL GLENNON CHILDREN'S HOSPITAL
1465 South Grand Blvd.
St. Louis, MO 63104-1095

Re: Discharge Permit No:

1020548900 - 1

For premise at:

1465 South Grand Blvd. St. Louis, MO 63104

Dear Mr. Hrbacek:

The Metropolitan St. Louis Sewer District has completed its review of your application for renewal of the Industrial Wastewater Discharge Permit for the above premise. The current permit expires on April 30, 2015.

Federal regulation 40 CFR 403 requires MSD to issue a permit to you. We based the draft permit on the following: information that you supplied in your Industrial User Questionnaire, on results from previous wastewater samplings and inspections, and on requirements contained in existing MSD ordinances and state and federal regulations.

The terms and conditions of this permit are substantially the same as in the previous permit. Please review this draft copy carefully. If you disagree with any of the terms or conditions of the proposed permit please inform us, in writing, within 15 working days of receipt. MSD will deem absence of a response within this period as acceptance of the draft permit, and we will proceed to issue the final permit.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8756, if you have any questions.

Sincerely.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer

Enclosures: Draft Industrial Wastewater Discharge Permit

cc: Doug Mendoza

Dave Kupke

PERMIT NO: 1020548900 - 1

EFFECTIVE DATE:

May 01, 2015 April 30, 2020

EXPIRATION DATE:

ISSUED TO: SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 South Grand Blvd.

St. Louis, MO 63104

SIC NUMBER(S): 8069

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS SAMPLING PT. REF NUMBER(S): 001, 004, 005

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other-discharge

METROPOLITAN STADUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer Douglas M. Mendoza, P.E. Mar. of Industrial Pretreatment

1020548900 - 1

Page No.:

Effective Date:

May 01, 2015

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER:

SAMPLING POINT LOCATION:

MH on sidewalk S of Vista Ave., E of overhead walkway, Flow from SE

AVERAGE WASTEWATER FLOW (GPD): 49,397

WASTEWATER SOURCE AND CATEGORY: Storm Water + Sanitary + Non-Contact Cooling Water

001

Kitchen Waste (Food prep) + Hospital Waste + Boiler Blowdown

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type	Sampling Frequency
Biochemical Oxygen Demand (5 Day) [mg/L] Chemical Oxygen Demand [mg/L] Flow [GPD] Oil and Grease (Total) [mg/L] Silver (Total) [mg/L] Temperature [Deg C] Total Phenols [mg/L] Total Suspended Solids [mg/L] Total Toxic Organics [mg/L] pH [SU] pH [SU]	200 0.5 60 21 5.844 11.5 5.5	Daily Avg Daily Avg Daily Avg Instant Instant Instant	Once/3 mo

Limits are based on MSD Ordinance/12559 and applicable federal categorical standards. See Section II of the permit conditions for exclanation of any adjustments to the published limits made pursuant to Article V, Section 2, B of the Ordinance.

See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

See Section I.A. 11 of the permit conditions.

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Page No.: Effective Date:

May 01, 2015

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 004

SAMPLING POINT LOCATION:

MH 3' W from SW corner of emergency building

AVERAGE WASTEWATER FLOW (GPD): 5,399

WASTEWATER SOURCE AND CATEGORY: Storm Water + Sanitary + Hospital Waste

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

		<i>,</i>	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Parameter	limit.	Limit Type ***	Sampling Frequency
		1900	ricquency
Biochemical Oxygen Demand (5 Day) [mg/L]		Daily Ava	Once/3 mo
Chemical Oxygen Demand [mg/L]	N. Carlotte and Market	Daily Avg	Once/3 mo
Flow [GPD]	***	∑⊸Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Silver (Total) [mg/L]	0.5	Daily Avg	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids [mg/L]		Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	lostant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

- Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- ** See Section I.A.2 of the permit conditions:
- Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

See Section I.A. 11 of the permit conditions.

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Page No.: Effective Date:

May 01, 2015

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 005

SAMPLING POINT LOCATION:

Manhole 12' N, 10' E from the NW corner of the west building

AVERAGE WASTEWATER FLOW (GPD): 6,132

WASTEWATER SOURCE AND CATEGORY: Storm Water + Sanitary + Non-Contact Cooling Water (Autoclaves) + Hospital Waste

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type	Sampling Frequency
Biochemical Oxygen Demand (5 Day) [mg/L] Chemical Oxygen Demand [mg/L] Flow [GPD]		Daily Avg Daily Avg Daily Avg	Once/3 mo Once/3 mo
Oil and Grease (Total) [mg/L] Silver (Total) [mg/L] Temperature [Deg C]	200 0.5 60	Instant Baily Avg Instant	Once/3 mo Once/3 mo Once/3 mo
Total Phenols [mg/L] Total Suspended Solids [mg/L] Total Toxic Organics [mg/L] pH [SU]	21 -5.844 11.5	Instant Daily Avg	Once/3 mo Once/3 mo Once/year Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

Limits are based on MSD Ordinance/12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance

** See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

See Section I.A. 14 of the permit conditions.

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Page No.: Effective Date:

5 May 01, 2015

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
 - 2. The limitation types, which may be specified in this permit, are defined as follows:

An INSTANT limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A DAILY AVG limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A DAILY MAX limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month

A 4-DAY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive sampling days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-heur period.

3. Unless-specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:

a. Temperature, pH and chlorine residual measurements, when required, shall be made on-site at the points of discharge and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.

b. For oil and grease, total phenois, cyanide, sulfide and volatile organics, when required, samples shall be Grab Samples.

c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

Page No.:

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Effective Date:

May 01, 2015

When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are

listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

For all other discharges the applicable toxic organics are all of those, from the distributed CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.

All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.

If the permittee employs continuous monitoring techniques for pH temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, and the total time for all excursions for temperature, pH, and/or lower explosive limit.

If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.

A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental compliance for each calendar quarter Each report shall include:

All facility and sample description information required on the District's reporting form.

Analytical results, with dates and times, for all analyzed samples collected within the quarter. C.

Daily flows with dates, for all measurements or estimates made within the quarter. d.

Any certification statements required pursuant to the Special Conditions in Section II. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of January 1 through March 31

April 1 through June 30

July 1 through September 30

October 1 through December 31

The report must be postmarked no later than: April 28

July 28

October 28

January 28

A report must be submitted for each calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The first report under this permit is due by July 28, 2015. For non-quarterly self-monitoring requirements, the permit year commences on July 1.

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Page No.:

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If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

B. CHANGE IN DISCHARGE:

The permittee shall not significantly increase the average daily volume for flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.

The permittee shall notify the District's Division of Environmental Compliance of any proposed significant 2. new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.

As defined in Article II of District Ordinance 12559, significant new or increased discharge means: 3.

Any discharge from a new process or facility of a new source.

Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or

Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the C.

permittee's discharge.

Any addition of a hazardous waste subject to but not previously reported under the reporting requirements in Article VIII Section Nine of District Ordinance 12559.

Any increase in mass of an existing regulated pollutant when the new long term average daily mass

discharge of that pollutant will exceed the previous long term average by 20% or more.

Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article Il of District Ordinance, 12559.

Any new batch discharges when previous discharges from an existing source at the permitted facility

occurred on a continuous basis.

C. PROBLEM DISCHARGE:

Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

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Page No.: Effective Date:

May 01, 2015

In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittees facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless a.

The bypass is unavoidable to prevent loss of life, personal injury or severe property damage; b.

There are no feasible alternatives to the bypass; and

In the event of an anticipated bypass, advance notice is provided to the District's Division of **Environmental Compliance.**

E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

A violation of any term or condition of this permit a.

A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

F. PERMIT TERMINATION OR MODIFICATION

This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State Federal or local regulations to ensure compliance with the effective dates contained in any such new

Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein

Permit No.: Page No.:

1020548900 - 1

Effective Date:

May 01, 2015

H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

M. NOTIFICATION AND REPORTING.

All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District Division of Environmental Compliance

10 East Grand Avenue

St. Louis, Missouri 63147-2913

2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260

3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

Page No.:

Effective Date:

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May 01, 2015

SECTION II- SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

A. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

A.1. Radioactive Discharge Reporting Requirements

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

For materials subject to licensing by the Nuclear Regulatory Commission (1) 5 curies Hydrogen-3 1 curie Carbon-14

1 curie for all other radioactive materials combined

For all other materials:

1 curie for all radioactive materials combined

Excreta from individuals undergoing medical diagnosis of treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage

B. SPECIAL BILLING REPORTING REQUIREMENTS

Reporting-Changes Which Might Impact Return Factor B.1.

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on FIFTY-ONE (51) percent of the used water (on an annual basis) being discharged to the District from account number 00208068. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

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Page No.: Effective Date:

May 01, 2015

C. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

C.1. Sampling / Reporting Requirement for Ordinance Total Phenols

Analysis for Total Phenols is to be performed using EPA Method 625. The result to be reported is the arithmetic sum of the concentrations found for the following individual phenolic compounds:

4-chloro-3-methylphenol 4,6-dinitro-2-methylphenol 2,4-dinitrophenol 2,4-dinitrophenol 2-nitrophenol 4-nitrophenol

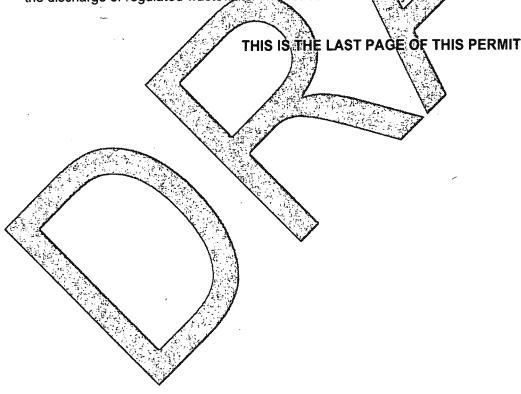
pentachlorophenol

2,4,6-trichlorophenol

As an option, prior to performing the Method 625 analysis, an initial screening may be performed using EPA Method 420.1. If this option is chosen, two separate samples must be collected, one preserved for the method 420.1 analysis and one unpreserved for a method 625 analysis, if necessary. If the screening produces a result which is less than the permit limitation for Total Phenols, the result should be reported as "less than (numerical result)", and the Method 625 analysis need not be performed. If Method 420.1 produces a result which is greater than the permit limitation, the unpreserved sample must be analyzed using Method 625 and the Method 625 result must be reported. Note: The screening analysis must be completed and a result obtained within sufficient time to ensure the Method 625 analysis, if required, can begin within the 7 day holding time of the unpreserved sample.

C.2. No Monitoring When Influenced by Storm Runoff

Sampling points 001, 004 and 005, may, at times, convey storm water in addition to wastewater regulated by this permit. The self-monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.



METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORMATION				
Company Name: SSM CARDINAL GLENNON	CHILDREN'S HO			
Permit No: 1020548900-1 Effective Date	: 05/01/2015	Expiration D	pate: 04/30/2020	
Premise Address: 1465 South Grand Blvd, 631	04			• ,
Monitoring Period: □(JAN-MAR)	□(APR-JUNE)	□(JUL¥-SE	PT) D(Q(CT-DEC)
Samples Collected By:		`		
Analyses Performed By:				
PART II: ANALYTICAL RESULTS OF SE	LF MONITORING			
MSD SAMPLE POINT REFERENCE NUMBERS			<u> </u>	
DATES ON WHICH SAMPLES WERE COLLECTED	No.			
TIMES AT WHICH SAMPLES WERE COLLECTED				
PARAMETER LIMIT	RECORD SAMPLE TY	PES (G. C. M. OR E) AN posite, M=heasured flow, E	ID RESULTS BELOW =estimated flow)	UNITS
FLOW			·	ź.
		7 \ >		
				4
		·		***************************************
		· · · · · · · · · · · · · · · · · · ·		
				71
				,
				·
				<u> </u>
You must complete and sign th	ne certification state	ments on the sec	ond page.	

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

NONE			•			
			•			4
ART IV:	GENERAL CERTIF	ICATION STATEM	ENTS	L		•
DISCHAR	GE MONITORING REP	ORT CERTIFICATION	N .			
All permitte	es must sign and complet	te the information below			1,36	
person or person the bear	er penalty of Law that this do signed to assure that qualifi- ersons who manage the syst st of my knowledge and belied including the possibility of fi	ed personnel properly gati tem, or those persons dire ef, true, accurate, and con	ner and evaluate the ctly responsible for polete. I am aware	a information cube	villad Dacadaa muu	الكسنية الماسية
	name of signing official:	·				
		,	Teleph			
				Date:		
				Date.		
				• .		-
)	
		·	•	•	* *	

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT FACT SHEET

Check one:	,		
FIRST TIME PERMIT Prepared by: S. Rehmer RENEWAL Reviewed by: \(\int(\lambda)\lambda\)		2/17/201	
DEDMIT NO. 40005 40000 4		2-19-1	/
	(PIRATION DAT	E: <u>4/30/</u>	2020
COMPANY NAME: SSM CARDINAL GLENNON CHILDREN'S HOSPIT	<u>ral</u>		
PREMISE ADDRESS: 1465 S Grand Blvd, 63104			
RELATED ACCOUNT NUMBERS: n/a			
TYPE OF OPERATION: Pediatric hospital services			
TOTAL NUMBER OF SAMPLING POINTS: 3 or NO SAMPLING POIN			
NUMBER OF: ORDINANCE 3 CATEGORICAL 0 COMBIN	VED 0		
CATEGORICAL INDUSTRY? YES □ NO ☒			
If Yes, 40 CFR Subpart	PSES 🗌	PSNS	
40 CFR Subpart	PSES 🗌	PSNS	
EXTRA STRENGTH SURCHARGE? YES ☐ NO ☒ If Yes, BOD	COD	TSS_	
RETURN FACTOR? YES ⊠ NO ☐ If Yes, Acct #(s)	<u>00208068</u> RF	0.51	
SPECIAL CONDITIONS REQUIRED? YES ☑ NO ☐			
All SMR start dates begin at start of calendar quarter: Same as/cor following pe	ntaining permit e rmit effective dat	ffective (e	date
SMR General Cert. B attached to first permit SP (001) at reporting frequency	ency of once/3m	。 o? Y ⊠	ΝÖ
SUPPORTING DOCUMENTS ATTACHED "Special Certs & Gen Rpts for Spec Conditions not tied to Specific SPs"	YES	NO ,	N/A
Pollutant & Limitations Documentation Sheets:	\boxtimes		
Permit Preparation Checklist:	\boxtimes		
Production-based Standards Calc. Sheets (for Sampling Points)	. 🔲	\Box	\boxtimes
Mass-based Standards Calc. Sheets (for Sampling Points)			\boxtimes
Equivalent Concentration Limits Sheets (for Sampling Points)	П		\boxtimes
Most Strict Limits Sheets (for Sampling Points)	П		\boxtimes
Combined Wastestream Formula Sheets (for Sampling Points)			\boxtimes
Text of any Customized Special Conditions: If Yes, for which SCs:			\boxtimes
Other:		LJ.	لاسكا
COMMENTS (Include notations of any significant changes	from last nermit)	ı .	
n/a		÷.	

PERMIT NO: 1020548900-1

SPECIAL CONDITIONS NOT TIED TO SPECIFIC SAMPLE POINTS

f #	loone	## [none] #	#	# [none] first permit sa	#	ral Reports: # # Rad # # # # # # # # # # # # # # # # # # #	· · · ·	#
#	#	#	#	#		#	-	# Rad Discharge
[none]	[none]	[none]	[none]	[none]		[none]	[none] [none]	
#	#	#	#	#		#	# #	
#	#	#	#*	#		# <u>D.3</u>	# E.18 # D.3	

Cat Comb

TYPE: Ord

SAMPLING POINT REFERENCE NUMBER: 001

7

<u>_</u>

Page 3 of 5

Page 4 of 5

SAMPLING POINT REFERENCE NUMBER: 004	REFERENCE	NUMBER	: 004	PE: Ord ⊠	Cat Comb [<u> </u>			
Vastewater Components: <u>Hospital ww, Sanitary, Stormwater</u> Flow Rate: <u>5</u> ,399 Units: GPD Basis for	nents: <u>Hospita</u> Units: <u>GP</u> D	al ww. Sani	<u>tary, Stormw</u> Basis	<u>ormwater</u> Basis for Flow Rate: IUQ,	Q, 11-7-14				
Pollutants	Basis for inclusion (or exclusion of sto	Basis for inclusion (or exclusion of std polls)		Basis for limitation (Ord 12559, CFR, etc)	Ě	Monitoring frequency	Basis for monitoring freq. (std for vol; etc; innocuous, low flow, etc)	oring freq.	Q A
GENERAL:	٠				<u> </u>				
-LOW	Standard			n/a	once	once 3 mo	Standard		
3OD	Standard			n/a	once	once 3 mo	Standard for volume & hosp waste	le & hosp waste	
COD	Standard		•	n/a	once	once 3 mo	Standard for volume & hosp waste	e & hosp waste	
O&G	Standard			Ord. 12559	once	once 3 mo	Standard for volume & hosp waste	e & hosp waste	
H	Standard			Ord. 12559	once	once 3 mo	Std vol & hosp ww, data shows presence	data shows pres	ence
Temp	Standard	-		Ord. 12559	once	once 3 mo	Standard for volume & hosp waste	le & hosp waste	
ISS	Standard			n/a	once	once 3 mo	Standard for volume & hosp waste	ie & hosp waste	
Ord. TTO	Standard			Ord. 12559	once	once/year	Std, some organics are KP	are KP	
henols (total)	KP, std for h	health care facilities	cilities	Ord. 12559	once	once 3 mo	Standard		
					[none]	e]			
PRIORITY/CATEGORICAL:	RICAL:								
Silver (total)	KP, in x-ray waste	waste		Ord. 12559	once	3 mo	Standard, KP, som	some presence in WW data	N data
					[none]	е]			
				•	[none]	e]			
					[none]	e]			
					[none]	e]			
					[none]	e] .			
					[none]	е.			
					[none]	е.			
					[none]	е,			
					[none]	<u>e</u>			
Special Condition:	······································	# <u>D.10</u>	# .	#	#	#	#	#	# 1
List related SMR certs: SMR cert frequency:	R certs: #	[none]	# [none]	# [none]	# [none]	# [none]	# [none]	# [none]	# [none]
List related General Rpts: General Rpt frequency:	al Rpts: #	[none]	# [none]	#	# [none]	# [none]	#	# [none]	# [none]
s this an Ord or Comb SP w/mon for TTO and that has no TOs on site? YES	SP w/mon for	TTO and tha	at has no TOs	on site? YES	NO ⊠ If Yes, is	s, is SMR <u>Ger</u>	SMR Gen Cert. A attached at once/3 mo freq.? YES	t once/3 mo freq.	? YES 🗌
Anv significant changes? YES ☐ NO Ⅺ Explain	1987 AES	 NO ⊠	xolain.						,
Any significant chance	Jes'/ YES	ZCX	·XDIAID.						

SAMPLING POINT REFERENCE NUMBER: 005

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Page 5 of 5

PERMIT PREPARATION CHECKLIST – PART 1 (Fact Sheet Attachment)

Company Name: <u>SSM CARDINAL GLENNON CHILDREN'S HOSPITAL</u> Permit No.: <u>1020548900-1</u>

Effective Date: 5/1/2015 Prepared by: S. REHMER Date: 2/18/2015

REVIEW THE PRETREATMENT DATABASE (PIMS), INDUSTRY FILE AND PERMIT APPLICATION. ANSWER THESE QUESTIONS & UPDATE THE DATABASE PRIOR TO DEVELOPING THE DRAFT PERMIT. Are the correct SICs listed? Yes 🛛 No 🗌 If no, add delete: Is user in surcharge? 2. Yes 🗌 No 🔯 If yes, date last certified: If yes, Special Condition F.2 applies Does user's premise have more than one MSD account? 3. Yesll No 🖂 If yes, were all account numbers correctly listed (including occupant #s)? Yes [No [If no, have account numbers been corrected in database before proceeding? Yes 🗌 No Does user have a Return Factor (RF) other than 1.00 for any account? 4. Yes 🛛 No 🛭 If yes, list acct no., RF and date last updated: Acct 00208068 RF 0.51 Updated 9/7/2010 Acct RF Updated If yes, Special Condition F.1 applies. Does user discharge water from a source not included in the MSD Billing system? Yes ☐ No 🔯 If yes, Special Condition F.3 & General Report "Discharge Volume for Billing" apply Have you established agreement among permit application, water consumption records and PIMS on component flows at each SP, total SP flows and total premise flow? Yes ⊠ No □ If no, explain Has user been granted any variances from ordinance limitations? Yes □ No 🔯 If yes, Application Date: Approval Date: , or approved as part of this permit issuance? Yes (Variances cannot last more than 5 years after approval) If yes, Parameter(s) If yes, Special Condition C.4 applies. Have any numerical limitations been applied to user, in addition to those already contained in 8. Yes ☐ No 🛛 the ordinance? If yes, Parameter(s) at SP(s) Date limit(s) originally applied: _____, or as part of variance above? ____
If yes, are Special Conditions, other than the standard special conditions, required?

If yes, explain under "non-standard special conditions" question below. Yes No No Does user discharge any radioactive materials? Yes 🛛 No If yes, Special Condition E 18 & General Report "Radiation Discharge" apply Does user generate wastes and/or wastewater by genetic engineering research? 10. Yes 🗌 No 🛛 If yes, Special Condition B.12 applies. Do all of the user's active connections, to MSD sewers, have identified SPs? 11. Yes 🛛 No If no, explain: If no, is documentation sufficient to use Special Condition Yes 🗌 No 🗌 E.5 Tsampling Not Required at Connections with NO SP and with SP on parts", E.6 The "Sampling Not Required at Connection with NO SP on it", E.7 The "Sampling Not Required at Connection with SP on only part of it," or E.8 | "Sampling Not Required at Permittee with No SP"? If no, is compliance schedule necessary to obtain documentation? Yes \ No \ If yes, Special Condition G.1 is necessary. Does premise require use of "upstream/downstream" sampling? 12. Yes ☐ No ☒ If yes, Upstream SP# & Downstream SP # If yes, Special Conditions D.11 and E.9 apply Are there any inactive connections to MSD sewers? 13. Yes 🗌 No 🔯 If yes, Special Condition E10 applies Have you verified, in PIMS, the SP location descriptions are complete and adequate? 14. Yes 🛛 No Have you verified, in PIMS, the discharge components, process descriptions and related 15. flows at all SPs, are complete and adequate? Yes No [

16.	Does user have any discharges subject to NPDES permitting regulations?	Yes ☐ No 🛛
	If yes, list MSD points & corresponding NPDES points:	
	lf yes, Special Condition E.14 applies. Հայ բարարարարարարարարարարարարարարարարարարար	(B) B (B)
17.	Do any SPs convey stormwater in addition to regulated wastewater?	Yes ⊠ No 🗌
	If yes, list points: <u>001, 004, 005</u> and note on P&LD sheets.	
***********	If yes, Special Condition D.10 applies.	***************************************
18.	Are any SPs Dry Justified in PIMS?	Yes 🗌 No 🛛
	If yes, list points and note on P&LD sheets.	· .
-arr/arr/arr/arr/a	If yes, no self-monitoring is required, and Special Condition E.3 applies.	
19.	Are there SPs where user discharges only non-process wastewater?	Yes ☐ No 🛛
	If yes, does no self-monitoring requirement / Special Condition E.3 apply?	Yes No
107/07/07/07/07/0	If yes, list points <u>and note on P&LD sheets.</u>	
20.	Are there SPs with infrequent discharges that require coordination with the user for MSD to	
	collect samples? If yes, list points: and note on P&LD sheets.	Yes 🗌 No 🛛
	King Chariel Condition D 14 applies	
21	Is documentation adequate to allow use of grab samples in lieu of composites at any SPs?	Yes □ No ☒
21.	If yes, list points and note on P&LD sheets.	
	If you Special Condition D.1 applies	
22.	Are there SPs with self-monitoring requirements, but at less than a quarterly frequency, for	
~~ .	all parameters?	Yes 🗌 No 🛛
	If yes, list points and note on P&LD sheets.	
	If yes, Special Condition E.4 applies.	
23.	Can local limits TTO be removed from monitoring at any ordinance SPs? If yes, list points and explain on P&LD sheets. If yes, does TTO also need to be removed from MSD's monitoring?	Yes ☐ No 🛛
	If yes, list points and explain on P&LD sneets.	
	If yes, discuss with inspector (name:) and explain why it had	Yes 🗌 No 🗌
	been monitored by MSD:	
ananananan	Does user have a history of compliance problems at this or a previous location?	Yes 🔲 No 🔯
24.	If yes, explain problems:	102 🗀 140 🖾
	If yes, is a compliance schedule required?	Yes ☐ No ☐
	If yes, Special Condition G.1 applies.	
	Is supporting documentation attached?	Yes 🗌 No 🗌
	If yes, are any other special requirements required?	Yes 🗌 No 🗌
	Explain:	WY MY
25.	Is user required to monitor for Total Phenois at an ordinance SP?	Yes ⊠ No 🗌
	If yes, does Special Condition D.3 for Total Phenols monitoring options apply?	Yes ⊠ No 🗌
26.	Has user chosen to employ continuous monitoring techniques for:	97.897.897.807.807.807.807.807.807.807.807.807.80
20.	pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.	Yes 🗌 No 🛛
	Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.	Yes 🗌 No 🔯
	LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.	Yes 🗌 No 🛛
	If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only'	
	and does PIMS Monitoring Special Instructions have notes re. field 'violations'?	Yes 🗌 No 🗌
<i>27</i> .		Yes ☐ No 🛛
	Does the company perform any processes for which summaries of activities are needed? If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.	
28.	Are special billing conditions, other than the standard Special Conditions, needed?	Yes ☐ No 🏻
-	If yes, describe:	
	If yes, Special Condition F.4 applies.	
	Does General Report "Discharge Volume for Billing" apply?	Yes No
	Does General Report "Custom Non-Standard" apply?	Yes 🔲 No 🔲
29.	Are any Special Conditions, other than the standard special conditions, required?	Yes ☐ No 🛛
-	If yes, explain:	
	Which Special Condition applies?	
	Is supporting documentation attached?	Yes 🗌 No 🗌
	If no, explain:	
	Does General Report "Custom Non-Standard" apply?	Yes No
30.	Is user a hauled waste industry, discharging its wastewater at the Hauled Waste Station?	Yes ☐ No 🛛
	If yes, have permit title, cover page language, & general conditions been modified?	Yes 🗌 No 🗌
	If yes, Special Conditions B.9, D.13, H.1, and H.2 apply.	######################################
31.	Is user classified as a Categorical Industrial User (CIU)?	Yes ☐ No 🛛
U 1.	If yes, complete part 2 of checklist, If no, STOP here.	

List all the Special Conditions from Part 1 that are applicable to this permit.
List those that are specific to a sampling point on that sampling point's fact sheet, too.
List those that are not specific to a sampling point on the "Special Conditions Not Tied to Specific SPs" fact sheet, too.

General Report	Special Condition #	Sampling Point #	
	P= 4		
	<u>F.1</u>	n/a	
Rad. Discharge	E.18	n/a	
	D.10	001, 004, 005	
	D.3	n/a	
		-	



Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 Phone: 314.768.6200 www.stlmsd.com

March 23, 2010

Bud Frederich, Team Leader SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 South Grand Blvd. St. Louis, MO 63104

Re: Discharge Permit No:

4112195400 - 3

For premise at:

1465 South Grand Blvd, St. Louis, MO 63104

Dear Mr. Frederich:

The Metropolitan St. Louis Sewer District has developed an Industrial Wastewater Discharge Permit for the above premise. Federal regulation 40 CFR 403 requires MSD to issue a permit to you. We based the permit on the following: information that you supplied in your Industrial User Questionnaire, on results from previous wastewater samplings and inspections, and on requirements contained in existing MSD ordinances and state and federal regulations.

Except as noted in this paragraph, the terms and conditions of this permit are substantially the same as in the previous permit. Changes include:

- Added monitoring for total phenols at all sample points, since its use has been found at most health care facilities for both sanitization and for lab use.
- Added Special Condition (SC) C.1 for ordinance total phenols
- · Added SC C.2 for no monitoring influenced by storm runoff

You must submit monitoring reports on a quarterly basis, as required by the conditions of this permit. The first report due date, for this reissued permit, is based on a complete calendar quarter monitoring period. The permittee remains responsible for reporting for the preceding calendar quarter under the previous permit. The necessary report form is appended to the permit. It includes the specific certifications required by your permit. Please use this form for your report submittals. Instructions for completing the report form also are enclosed with this letter.

If you disagree with any of the terms or conditions of this permit please inform us, in writing, within 15 working days of receipt. MSD will deem absence of a response within this period as acceptance of the permit.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8756, if you have any questions.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer, Assistant Engineer

Enclosures: Industrial Wastewater Discharge Permit,

Self-monitoring Report Forms, Self-monitoring Report Instructions

cc: Doug Mendoza
Dave Kupke

METROPOLITAN ST. LOUIS SEWER DISTRICT DIVISION OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 4112195400 - 3

EFFECTIVE DATE:

May 01, 2010

EXPIRATION DATE:

April 30, 2015

ISSUED TO: SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 South Grand Blvd. St. Louis, MO 63104

SIC NUMBER(S): 8069

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 3

SAMPLING PT. REF NUMBER(S): 001, 004, 005

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Renmer

Assistant Engineer

Mgr. (of Industrial Pretreatment

.: <u>4112195400 - 3</u>

Page No.: Effective Date:

May 01, 2010

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION:

MH on sidewalk S of Vista Ave., E of overhead walkway, Flow from SE

AVERAGE WASTEWATER FLOW (GPD): 77,748

WASTEWATER SOURCE AND CATEGORY: Sanitary + Boiler Blowdown + Non Contact Cooling Water (Autoclaves) + Cooling Tower Blowdown + Kitchen Waste + Hospital Waste + Storm Water

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day)	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand	***	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Silver (Total) [mg/L]	0.5	Daily Avg	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Phenois [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids	***	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

- Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- ** See Section I.A.2 of the permit conditions.
- *** Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- **** See Section I.A.11 of the permit conditions.

Page No.:

4112195400 - 3

3 May 01, 2010

Effective Date:

DISCHARGE LIMITATIONS

004

SAMPLING POINT REFERENCE NUMBER:

SAMPLING POINT LOCATION:

MH 3' W from SW corner of emergency building

AVERAGE WASTEWATER FLOW (GPD): 8,000

WASTEWATER SOURCE AND CATEGORY: Hospital Waste (X-ray, and Laboratory services) + Sanitary + Storm Water

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day)	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand	***	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Silver (Total) [mg/L]	0.5	Daily Avg	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids	***	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

- Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- ** See Section I.A.2 of the permit conditions.
- *** Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- **** See Section I.A.11 of the permit conditions.

Permit No.: Page No.: 4112195400 - 3

Effective Date:

May 01, 2010

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER:

005

SAMPLING POINT LOCATION:

Manhole 12' N, 10' E from the NW corner of the west building

AVERAGE WASTEWATER FLOW (GPD): 10,000

WASTEWATER SOURCE AND CATEGORY: Non Contact Cooling Water (Autoclaves) + Hospital Waste +

Sanitary + Storm Water

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day)	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand	***	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Temperature [deg C]	60	Instant	Once/3 mo
Total Phenois [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids	***	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

- Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- See Section I.A.2 of the permit conditions.
- Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- See Section I.A.11 of the permit conditions.

4112195400 - 3

Page No.: Effective Date:

May 01, 2010

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
 - 2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A **DAILY AVG** limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A **DAILY MAX** limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A **MONTHLY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive <u>sampling</u> days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

- 3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:
 - a. Temperature, pH and chlorine residual measurements, when required, shall be made on-site at the points of discharge and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
 - b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
 - c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

Permit No.: 4112195400 - 3
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Effective Date: May 01, 2010

4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- 5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- 6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- 7. If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, and the total time for all excursions for temperature, pH, and/or lower explosive limit.
- 8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- 9. A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:
 - a. All facility and sample description information required on the District's reporting form.
 - b. Analytical results, with dates and times, for all analyzed samples collected within the guarter.
 - c. Daily flows, with dates, for all measurements or estimates made within the quarter.
 - d. Any certification statements required pursuant to the Special Conditions in Section II.
 - e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each guarter.

For the calendar quarter of:

January 1 through March 31

April 1 through June 30

July 1 through September 30

October 1 through December 31

The report must be postmarked no later than:

April 28

July 28

October 28

January 28

A report must be submitted for <u>each</u> calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The <u>first report</u> under this permit is due by <u>July 28, 2010</u>. For non-quarterly self-monitoring requirements, the permit year commences on <u>July 1</u>.

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

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11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

B. CHANGE IN DISCHARGE:

- 1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- 2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.
 - 3. As defined in Article II of District Ordinance 12559, significant new or increased discharge means:
 - a. Any discharge from a new process or facility or a new source.
 - b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
 - c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
 - d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.
 - e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
 - f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 12559.
 - g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

C. PROBLEM DISCHARGE:

- 1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.
- 2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to

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Effective Date:

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continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Division of Environmental Compliance.

E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

F. PERMIT TERMINATION OR MODIFICATION:

- 1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.
- 2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

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I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District Division of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

- 2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.
- 3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

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Effective Date:

May 01, 2010

SECTION II- SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

A. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

A.1. Radioactive Discharge Reporting Requirements

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

(1) For materials subject to licensing by the Nuclear Regulatory Commission:

5 curies Hydrogen-3

1 curie Carbon-14

1 curie for all other radioactive materials combined

(2) For all other materials:

1 curie for all radioactive materials combined

Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

B. SPECIAL BILLING REPORTING REQUIREMENTS

B.1. Reporting Changes Which Might Impact Return Factor

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on seventy-nine (79) percent of the used water (on an annual basis) being discharged to the District from account number 00208068. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

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C. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

C.1. Sampling / Reporting Requirements for Ordinance Total Phenols

Analysis for Total Phenols is to be performed using EPA Method 625. The result to be reported is the arithmetic sum of the concentrations found for the following individual phenolic compounds:

4-chloro-3-methylphenol

4,6-dinitro-2-methylphenol

pentachlorophenol

2-chlorophenol

2.4-dinitrophenol

phenol

2.4-dichlorophenol

2-nitrophenol

2,4,6-trichlorophenol

2,4-dimethylphenol

4-nitrophenol

As an option, prior to performing the Method 625 analysis, an initial screening may be performed using EPA Method 420.1. If this option is chosen, two separate samples must be collected, one preserved for the method 420.1 analysis and one unpreserved for a method 625 analysis, if necessary. If the screening produces a result which is less than the permit limitation for Total Phenols, the result should be reported as "less than (numerical result)", and the Method 625 analysis need not be performed. If Method 420.1 produces a result which is greater than the permit limitation, the unpreserved sample must be analyzed using Method 625 and the Method 625 result must be reported. Note: The screening analysis must be completed and a result obtained within sufficient time to ensure the Method 625 analysis, if required, can begin within the 7 day holding time of the unpreserved sample.

C.2. No Monitoring When Influenced by Storm Runoff

Sampling points 001, 002, and 003, may, at times, convey storm water in addition to wastewater regulated by this permit. The self monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

THIS IS THE LAST PAGE OF THIS PERMIT

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORM	IATION				
Company Name: SSM CARDINAL GL	ENNON	CHILDREN'S HO	SPITAL		
Permit No: 4112195400-3 E	ffective (Date: 5-1-2010	Expiratio	n Date: 4-30-2015	5
Premise Address: 1465 S Grand Blvd,	, 63104				
Monitoring Period: □(JAN-MAR)		□(APR-JUNE)	□(JULY-SE	EPT) □(O¢	CT-DEC)
Samples Collected By:					
Analyses Performed By:					
PART II: ANALYTICAL RESULT	S OF SI	ELF MONITORING	3		
MSD SAMPLE POINT REFERENCE NUMBERS	⇔				
DATES ON WHICH SAMPLES WERE COLLECTED	□				
TIMES AT WHICH SAMPLES WERE COLLECTED	₽				
PARAMETER	LIMIT	RECORD SAMPLE 1 (G=grab, C=co	TYPES (G, C, M OR E) A mposite, M=measured flow,	ND RESULTS BELOW E=estimated flow)	UNITS
FLOW					
				·	

		·			

You must complete and sign the certification statements on the second page.

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and **PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS**.

NONE

PART IV: GENERAL CERTIFICATION STATEMENTS

В	DISCHARGE MONITORING REPORT CERTIFICATION	1
	All permittees must sign and complete the information	on below:
	a system designed to assure that qualified personnel properson or persons who manage the system, or those per	attachments were prepared under my direction or supervision in accordance with operly gather and evaluate the information submitted. Based on my inquiry of the rsons directly responsible for gathering the information, the information submitted e, and complete. I am aware that there are significant penalties for submitting false ment for knowing violations.
	Print or type name of signing official:	
	Title:	Telephone:
	Signature:	Date:

METROPOLITAN ST. LOUIS SEWER DISTRICT - DIVISION OF ENVIRONMENTAL COMPLIANCE

INSTRUCTIONS FOR COMPLETING INDUSTRIAL USER SELF MONITORING REPORT

- 1. Monitoring reports are to be submitted to MSD on a quarterly basis. Samples must be collected within the calendar quarter and the results submitted to the MSD Division of Environmental Compliance within 28 days after the end of the quarter. You must submit a report for each quarter even if you had no discharge during the quarter.
- 2. You must use the reporting forms provided by MSD unless you obtain approval from the District to use a company designed form. Any non MSD form must include all of the information and certifications included in the MSD form.
- 3. The MSD form, properly filled out & signed, constitutes your complete monitoring report. Please do not include a cover letter or any attachments unless they are absolutely essential to explain information on the form or to explain reporting deficiencies or problems. When you sign the report form you will certify that all information contained therein is true, complete and accurate.
- 4. Print or type all information. Fill in all blanks. Use additional copies of the form if more space is needed.
- All analyses must be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed for specific parameters. Provide the name of the laboratory that performed the analyses. If the analyses were performed in-house, provide the name and title of the individual responsible for the analyses.
- 6. Provide the MSD sample point reference numbers for which the data is being submitted. These numbers are contained in your permit. You must use the MSD sample point reference numbers to ensure accurate evaluation of your company's compliance status.
- 7. You must report analytical results for all the parameters listed in your permit. If you monitor your discharges more often than required by the permit, using approved methods, the results of all such monitoring and any additional flow measurements must be included in the report.
- 8. For Total Toxic Organics analysis, record the "Total" on the MSD form. Attach a list of the individual toxic organics analyzed and their individual results.
- 9. In the blanks provided, print or type the parameters and limits listed in your permit. Record the date and time each sample was collected. If a composite sample spans two days, record the dates the compositing period started and ended and record the times the compositing period started and ended. Record the type of sample (use G for grab, C for composite and for flow measurement use M for measured flow, E for estimated flow) and enter the results in the appropriate space. The following example has been provided to show you how to fill in the data.

MSD SAMPLE POINT REFERENCE NUMBERS	⇔		001	1	002		
DATES ON WHICH SAMPLES WERE COLLECTED	₽		7-8-93	7-	-8 to 7-9-93		
TIMES AT WHICH SAMPLES WERE COLLECTED	⇔	8:30	am - 5:00 pm	9:00	am - 8:00 am		
PARAMETER	LIMIT	REC	ORD SAMPLE (G=grab, C=co	TYPES (0 mposite, N	G, C, M OR E) A f=measured flow, i	ND RESULTS BELOW E=estimated flow)	UNITS
FLOW		Œ	4800	Œ	35000		GPD
Chemical Oxygen Demand		C	550	C	790		mg/L
Cadmium	0.69	С	0.58	С	0.46		mg/L

- 10. Report only the <u>results</u> of your analyses. Do not attach copies of laboratory sheets, QA/QC information or other documents unless MSD has specifically requested them or you believe they are essential to the report. However, you must retain all lab sheets and material pertinent to the sampling and analyses for a period of at least 5 years and that MSD may inspect or request copies of these materials during this period.
- 11. If you have no discharge from a sample point during the reporting quarter, write "No Discharge" across the line marked "Flow."
- 12. Review the certification statements in Part III and initial those that apply to your facility.
- 13. Review certification statement A in Part IV and initial it if it applies to your facility.
- 14. Complete the information under certification statement B in Part IV. Sign and date the report. You must be authorized to sign reporting documents in accordance with MSD ORD. 12559, Article X, Section Three, Paragraph B.
- 15. Attach any additional reports required (See page two of instructions).
- 16. Mail completed report to:

METROPOLITAN ST. LOUIS SEWER DISTRICT DIVISION OF ENVIRONMENTAL COMPLIANCE

10 E. GRAND AVE ST. LOUIS, MO 63147

If there is any question concerning these reporting requirements, please contact us for clarification or assistance at 314-436-8710.

SELF MONITORING REPORT INSTRUCTIONS PAGE 2

ADDITIONAL REPORTS

In addition to quarterly self monitoring reports, the General and Special Conditions of your permit require that MSD be advised of certain events or changes at your facility. This is a reminder of those reporting requirements. Please review your permit carefully for the specifics of any of these requirements which may apply to you.

I. GENERAL CONDITION REPORTING REQUIREMENTS

- 1. If you monitor pH or temperature continuously at any discharge point, you must include, with each quarterly self monitoring report, a summary of pH or temperature excursions for each month in the quarter. See General Condition I.A.7 in your permit.
- If any sampling, using approved methods, indicates a violation of any permit limitation, MSD must be notified within one business
 day of your becoming aware of the violation. In addition you must resample the discharge and the results of resampling must be
 submitted to MSD within 30 days of your becoming aware of the violation. See General Condition I.A.10 in your permit.
- 3. Any significant new or increased discharge must be reported at least 10 business days prior to the planned increase or addition. See General Condition I.B.2 in your permit.
- 4. Any problem discharge must be reported to MSD immediately by telephone and a written report submitted within 5 business days. See General Condition I.C.2 in your permit.
- 5. Any anticipated bypass of pretreatment facilities must be reported to MSD in advance. See General Condition I.D in your permit.

II. SPECIAL CONDITION REPORTING REQUIREMENTS

- 1. If any of the categorical limitations in your permit are based on production rates, a report on the production rates for each regulated process must accompany each quarterly self monitoring report.
- If any of the categorical limitations in your permit have been calculated using the Combined Wastestream Formula (CWF), any
 conditions which may change the calculated limitations must be reported to MSD at least 10 business days prior to the change.
- 3. If you have been granted a credit for used water which does not enter the sewer, any conditions which may change the amount of that credit must be reported to MSD within 10 business days of your becoming aware of those changes.
- 4. If your permit contains a schedule of compliance, reports under that schedule must be submitted no later than 14 business days after each date in the schedule.
- 5. If you plan to divert any wastewater from an existing NPDES discharge point to the District's system, you must notify MSD at least 10 business days prior to the planned change.

III. OTHER INFORMATION REQUIREMENTS

- 1. If your permit waives monitoring at any sample point specified in your permit, or at any connection point not specified as a sample point in your permit, you must advise MSD any time the character of the waste discharge at any such point changes.
- If your permit waives monitoring at any inactive connection points, you must advise MSD prior to activating any such point.



Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 Phone: 314.768.6200 www.stlmsd.com

February 12, 2010

Bud Frederich, Team Leader SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 South Grand Blvd. St. Louis. MO 63104

Re: Discharge Permit No: 4112195400 - 3

For premise at: 1465 South Grand Blvd.

St. Louis, MO 63104

Dear Mr. Frederich:

The Metropolitan St. Louis Sewer District has completed its review of your application for renewal of the Industrial Wastewater Discharge Permit for the above premise. The current permit expires on April 30, 2010.

Federal regulation 40 CFR 403 requires MSD to issue a permit to you. We based the draft permit on the following: information that you supplied in your Industrial User Questionnaire, on results from previous wastewater samplings and inspections, and on requirements contained in existing MSD ordinances and state and federal regulations.

Except as noted in this paragraph, the terms and conditions of this permit are substantially the same as in the previous permit. Changes include:

- Added monitoring for total phenols at all sample points, since its use has been found at most health care facilities for both sanitization and for lab use.
- Added Special Condition (SC) C.1 for ordinance total phenols
- · Added SC C.2 for no monitoring influenced by storm runoff

Please review this draft copy carefully. If you disagree with any of the terms or conditions of the proposed permit please inform us, in writing, within 15 working days of receipt. MSD will deem absence of a response within this period as acceptance of the draft permit, and we will proceed to issue the final permit.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8756, if you have any questions.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer, Assistant Engineer

Enclosures: Draft Industrial Wastewater Discharge Permit

cc: Doug Mendoza Dave Kupke

PRIORITIES

PERFORMANCE

SERVICE

METROPOLITAN ST. LOUIS SEWER DISTRICT DIVISION OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 4112195400 - 3

EFFECTIVE DATE:

May 01, 2010

EXPIRATION DATE:

April 30, 2015

ISSUED TO: SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 South Grand Blvd. St. Louis, MO 63104

SIC NUMBER(S): 8069

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 3

SAMPLING PT. REF NUMBER(S): 001, 004, 005

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer

Douglas M. Mendoza, P.E. Mgr. of Industrial Pretreatment

Permit No.: Page No.:

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Effective Date:

May 01, 2010

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION:

MH on sidewalk S of Vista Ave., E of overhead walkway, Flow from SE

AVERAGE WASTEWATER FLOW (GPD): 77,748

WASTEWATER SOURCE AND CATEGORY: Sanitary + Boiler Blowdown + Non Contact Cooling Water (Autoclaves) + Cooling Tower Blowdown + Kitchen Waste + Hospital Waste + Storm Water

Parameter	Limit *	Limit Type **	Sampling Frequency
Dischanical Owygon Domand (5 Day)	***	Daily Avg	Once/3 mo
Biochemical Oxygen Demand (5 Day) Chemical Oxygen Demand	***	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Silver (Total) [mg/L]	0.5	Daily Avg	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids	***	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

- Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- ** See Section I.A.2 of the permit conditions.
- Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- **** See Section I.A.11 of the permit conditions.

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DISCHARGE LIMITATIONS

004

SAMPLING POINT REFERENCE NUMBER:

SAMPLING POINT LOCATION:

MH 3' W from SW corner of emergency building

AVERAGE WASTEWATER FLOW (GPD): 8,000

WASTEWATER SOURCE AND CATEGORY: Hospital Waste (X-ray, and Laboratory services) + Sanitary +

Storm Water

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day)	***	Daily Avg	Ones/2
Chemical Oxygen Demand	***	Daily Avg	Once/3 mo Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Silver (Total) [mg/L]	0.5	Daily Avg	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids	***	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section Il of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

See Section I.A.11 of the permit conditions.

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DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 005

SAMPLING POINT LOCATION:

Manhole 12' N, 10' E from the NW corner of the west building

AVERAGE WASTEWATER FLOW (GPD): 10,000

WASTEWATER SOURCE AND CATEGORY: Non Contact Cooling Water (Autoclaves) + Hospital Waste +

Sanitary + Storm Water

		Limit	Sampling
Parameter	Limit *	Type **	Frequency
Biochemical Oxygen Demand (5 Day)	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand	***	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Temperature [deg C]	60	Instant	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids	***	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
рН [SU]	5.5	Instant	Once/3 mo

- * Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- ** See Section I.A.2 of the permit conditions.
- *** Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- **** See Section I.A.11 of the permit conditions.

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PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

- From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
 - The limitation types, which may be specified in this permit, are defined as follows: 2.

An INSTANT limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A DAILY AVG limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A DAILY MAX limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month

A 4-DAY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive sampling days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

- Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring 3. and reporting requirements of this permit, shall be of the following types:
 - Temperature, pH and chlorine residual measurements, when required, shall be made on-site at the points of discharge and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
 - For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall b. be Grab Samples.
 - For all other pollutants, samples shall be COMPOSITE SAMPLES made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

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When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are

listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, and the total time for all excursions for temperature, pH, and/or lower explosive limit.
- If the permittee monitors any of the listed pollutants, using the methods specified in this permit. more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:
 - All facility and sample description information required on the District's reporting form. а
 - Analytical results, with dates and times, for all analyzed samples collected within the quarter. b.
 - Daily flows, with dates, for all measurements or estimates made within the quarter. C.
 - Any certification statements required pursuant to the Special Conditions in Section II. d.
 - Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

The report must be postmarked no later than:

January 1 through March 31 April 28 July 28 April 1 through June 30 July 1 through September 30 October 28 October 1 through December 31 January 28

A report must be submitted for each calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The first report under this permit is due by July 28, 2010. For non-quarterly self-monitoring requirements, the permit year commences on July 1.

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If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

B. CHANGE IN DISCHARGE:

- The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.
 - As defined in Article II of District Ordinance 12559, significant new or increased discharge means: 3.
 - Any discharge from a new process or facility or a new source.
 - Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
 - Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the C. permittee's discharge.
 - Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.
 - Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
 - Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 12559.
 - Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

C. PROBLEM DISCHARGE:

Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

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2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Division of Environmental Compliance.

E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

F. PERMIT TERMINATION OR MODIFICATION:

- 1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.
- 2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

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H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents; memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

M. NOTIFICATION AND REPORTING:

All notifications and reports required by this permit shall be directed to: 1.

> Metropolitan St. Louis Sewer District Division of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

- Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at 2. (314) 768-6260.
- During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

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SECTION II- SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

A. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

A.1. Radioactive Discharge Reporting Requirements

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

(1) For materials subject to licensing by the Nuclear Regulatory Commission:

5 curies Hydrogen-3

1 curie Carbon-14

1 curie for all other radioactive materials combined

(2) For all other materials:

1 curie for all radioactive materials combined

Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

B. SPECIAL BILLING REPORTING REQUIREMENTS

B.1. Reporting Changes Which Might Impact Return Factor

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on seventy-nine (79) percent of the used water (on an annual basis) being discharged to the District from account number 00208068. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

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C. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

Sampling / Reporting Requirements for Ordinance Total Phenols C.1.

Analysis for Total Phenols is to be performed using EPA Method 625. The result to be reported is the arithmetic sum of the concentrations found for the following individual phenolic compounds:

4-chloro-3-methylphenol

4,6-dinitro-2-methylphenol

pentachlorophenol

2-chlorophenol

2,4-dinitrophenol

phenol

2.4-dichlorophenol

2-nitrophenol

2,4,6-trichlorophenol

2.4-dimethylphenol

4-nitrophenol

As an option, prior to performing the Method 625 analysis, an initial screening may be performed using EPA Method 420.1. If this option is chosen, two separate samples must be collected, one preserved for the method 420.1 analysis and one unpreserved for a method 625 analysis, if necessary. If the screening produces a result which is less than the permit limitation for Total Phenols, the result should be reported as "less than (numerical result)", and the Method 625 analysis need not be performed. If Method 420.1 produces a result which is greater than the permit limitation, the unpreserved sample must be analyzed using Method 625 and the Method 625 result must be reported. Note: The screening analysis must be completed and a result obtained within sufficient time to ensure the Method

625 analysis, if required, can begin within the 7 day holding time of the unpreserved sample.

C.2. No Monitoring When Influenced by Storm Runoff

Sampling points 001, 002, and 003, may, at times, convey storm water in addition to wastewater regulated by this permit. The self monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

THIS IS THE LAST PAGE OF THIS PERMIT

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORM	IATION				
Company Name: SSM CARDINAL GL	ENNON.	CHILDREN'S HO	SPITAL		
Permit No: 4112195400-3 E	ffective [Date: 5-1-2010	Expiratio	n Date: 4-30-2015	
Premise Address: 1465 S Grand Blvd	, 63104				
Monitoring Period: □(JAN-MAR)		□(APR-JUNE)	□(JULY-SE	PT) 🗆(OC	T-DEC)
Samples Collected By:					
Analyses Performed By:					
PART II: ANALYTICAL RESULT	S OF SE	LF MONITORING	3		
MSD SAMPLE POINT REFERENCE NUMBERS	₽				
DATES ON WHICH SAMPLES WERE COLLECTED	Û				
TIMES AT WHICH SAMPLES WERE COLLECTED	⇔				
PARAMETER	LIMIT	RECORD SAMPLE T (G=grab, C=cor	YPES (G, C, M OR E) A	ND RESULTS BELOW ==estimated flow)	UNITS
FLOW					

You must complete and sign the certification statements on the second page.

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.

NONE

PART IV: GENERAL CERTIFICATION STATEMENTS

В	DISCHARGE MONITORING REPORT CERTIF	FICATION
	All permittees must sign and complete the in	nformation below:
	a system designed to assure that qualified pers person or persons who manage the system, or	nt and all attachments were prepared under my direction or supervision in accordance with sonnel properly gather and evaluate the information submitted. Based on my inquiry of the those persons directly responsible for gathering the information, the information submitted, accurate, and complete. I am aware that there are significant penalties for submitting false imprisonment for knowing violations.
	Print or type name of signing official:	
	Title:	Telephone:
	Signature:	Date:

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT FACT SHEET

Check one:							
FIRST TIME PERMIT RENEWAL	☐ Prep ⊠ Revi	ewed by: <u>S. F</u>	Rehmer M		Date: 2 Date: 2)
PERMIT NO: 4112195400	<u>-3</u> EFFEC	TIVE DATE:	<u>5/1/2010</u>	EXPIRA [*]	TION DATI	Ξ: <u>4/30/</u> 2	<u> 2015</u>
COMPANY NAME: SSM (CARDINAL GL	ENNON CHIL	DREN'S HOS	PITAL			
PREMISE ADDRESS: 146	35 S Grand Bly	<u>rd, 63104</u>					
RELATED ACCOUNT NU	MBERS: <u>none</u>						
SIC NUMBERS: 8069							
TYPE OF OPERATION: P	ediatric hospit	al services					
TOTAL NUMBER OF SAM	1PLING POINT	ΓS: <u>3</u> or NO S	AMPLING PO	INT 🗌			
NUMBER OF: OR	DINANCE 3	CATEGORI	CAL	COMBIN	ED		
CATEGORICAL INDUSTR	Y? YES 🗌	NO 🖂					
If Yes, 40 CFR Su	ıbpart				PSES 🗌	PSNS [
40 CFR Su	bpart				PSES 🗌	PSNS [
EXTRA STRENGTH SURC	CHARGE? YE	:s □ NO ⊠	If Yes, BOD_	cc	DD	TSS	-
RETURN FACTOR?	YE	:s ⊠ NO □	If Yes, Acct #	(s) <u>00208</u>	068 RF	0.79	
SPECIAL CONDITIONS R	EQUIRED? YE	ES⊠ NO□					
All SMR start dates begin a	it start of caler	ndar quarter:	☐ same as/ ☑ following	containin permit ef	g permit ef fective date	fective c	late
SMR General Cert. B attac	hed to first per	mit SP (<u>001</u>)	at reporting fre	equency c	of once/3mo	o? Y ⊠	N□
SUPPOR Pollutant & Limitations Doc	RTING DOCUM umentation Sh	<u>//ENTS ATTA</u> neets:	CHED		YES ⊠	NO	N/A
Permit Preparation Checklis	st:				\boxtimes		
"Special Certs & Gen Rpts	for Spec Cond	litions not tied	to Specific SF	s" Sheet	: 🛛		
Production Based Standard If Yes, for Sampling Po		Sheets:					\boxtimes
Most Strict Standards Calculif Yes, for Sampling Po		:					\boxtimes
Combined Wastestream Ca If Yes, for Sampling Po		ets:					\boxtimes
Other:							
COMMENTS Add D.10 (stormwater conve	(Include notati eyed); add D.3	ons of any sig total phenols	nificant chang to smr; set up	es from la smr star	ast permit): t date for J	uly 1.	

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REV 9/2009

[none] # # # [none] # # # [none] SPECIAL CONDITIONS NOT TIED TO SPECIFIC SAMPLE POINTS # # # [none] # # # [none] # # # [none] # D.3 # # Discharge [none] # E. 18 # Rad # [none] # F.1 # # Special Condition: List any related SMR certifications: SMR certification frequency: List any related General Reports:

YES oxtimesAre all the SMR certifications listed above associated with first permit sample point (001)?

[none]

[none]

[none]

[none]

[none]

[none]

once 3 mo

[none]

General Report frequency:

□ 8

Check here if there are no non-SP-specific Special Conditions:

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PERMIT NO: 4112195400-3

SAMPLING POINT REFERENCE NUMBER: 001	REFERENCE NUI	MBER: 001	TYPE: Ord	Cat ☐ Comb		:		
wastewater Components: Sanitary, Boller blowdown, N Flow Rate: 77,748 Units: GPD Bas	lents: <u>Sanitary, Bo</u> Units: GPD	Diler blowdown, NC	<u>1, NCCW (autoclaves), Cooling tower blowdown, Kitchen, Hosp waste, Storm</u> Basis for Flow Rate: IUQ	Cooling towe	er blowdown, r	Vitchen, Hosp wa	aste, Storm	
Pollutants	Basis for inclusion	on	Basis for limital	L	Monitorina	Basis for monitoring fred	orina frea	An
	(or exclusion of std polls)	std polls)	(Ord 12559, CFR, etc)			(std for vol, etc; innocuous, low flow, etc)	uous, low flow, etc)	Ş
GENERAL:								
FLOW	Standard		n/a	ouce	once 3 mo	standard		
ВОД	Standard		n/a	once	3 mo	Standard for volume & hosp waste	ne & hosp waste	
COD	Standard		n/a	ouce	3 mo	Standard for volume & hosp waste	ne & hosp waste	
O&G	Standard		12559	once	once 3 mo	Standard for volume & kitchen waste	ne & kitchen wast	0
Hd	Standard		12559	once	once 3 mo	Standard for volume & hosp waste	ne & hosp waste	
Temp	Standard		12559	ouce	once 3 mo	Standard for volume & hosp waste	ne & hosp waste	
TSS	Standard		n/a	once	once 3 mo	Standard for volume & hosp waste	ne & hosp waste	
Ord. TTO	Standard		12559	ouce	once/year S	Some organics are KP	KP	
Phenols (total)	Added to all health care facilities	h care facilities	12559	ouce	once 3 mo	standard		
				[none]	[မ			
PRIORITY/CATEGORICAL	RICAL:							
Silver	X-ray waste	A Constant	12559	ouce	3 mo	Standard, present in WW	in WW	
				[none]	[e]			
				[none]	e]			
			у у туруу у уланын аналын а	[none]	e]			
				[none]	e]			
				[none]	e]			
				[none]	[e]			
		^		[none]	[ə			
				[none]	e]			
Special Condition:	10.10 # <u>D.10</u>	#	#	#	#	#	#	#
List related SMR certs: SMR cert frequency:	certs: # [none]	# [none]	# [none]	# [none]	# [none]	#	#	# [none]
List related General Rpts: General Rpt frequency:	Il Rpts: #	# [<u>loone]</u>	#	# [none]	# [none]	# [none]	# [none]	# [none]
Is this an Ord or Comb SP w/mon for Ord TTO and that has n	SP w/mon for Ord	TTO and that has no	o TOs on site? YES		If Yes, is SMR (☐ NO ☒ If Yes, is SMR Gen Cert. A attached at once/3 mo freq.? YES	ied at once/3 mo	freq.? YES [
Any significant changes? YES NO TExplain: Added SC D10 (storm), added total phenols.	les? YES ⊠ NC)	d SC D10 (storm)	, added total	phenols.			

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PERMIT NO: 4112195400-3

TYPE: Ord ⊠ Cat ☐ Comb ☐

SAMPLING POINT REFERENCE NUMBER: 004

Wastewater Compor Flow Rate: 8,000	Wastewater Components: <u>Hosp waste (X-ray + Lab), Sanitary, Storm</u> Flow Rate: 8,000 Units: GPD	<u>-ray + Lab), Sar</u> Rasis), Sanitary, Storm Basis for Flow Rate: II IO				
Pollutants	Basis for inclusion (or exclusion of etd nolls)		Basis for limitation	Monitoring	Basis for monitoring freq.	toring freq.	Any
GENERAL:		(2002)	(old 12333, OFR, etc.)	frequency	(sta for Vol, etc; inno	(std for Vol, etc; innocuous, low flow, etc)	OK
FLOW	Standard		n/a	once 3 mo	standard		
ВОД	Standard		n/a	once o mo	Standard for volu	Standard for volume & hoen waste	
COD	Standard		n/a	once 3 mo	Standard for volu	Standard for volume & hosp waste	
O&G	Standard		12559	once 3 mo	Standard for vol 8	Standard for vol & waste present in WW]
Ha	Standard		12559	once 3 mo	Standard for volu	Standard for volume & hosp waste	
Temp	Standard		12559	once 3 mo	Standard for volu	Standard for volume & hosp waste	
TSS	Standard		n/a	once 3 mo	Standard for volu	Standard for volume & hosp waste	
Ord. TTO	Standard		12559	once/vear	Some organics are KP	e KP	
Phenois (total)	Added to all health care facilities	are facilities	12559	once 3 mo	standard		
				[none]			
PRIORITY/CATEGORICAL	RICAL:						- Inneres
Silver	X-ray waste		12559	once 3 mo	Standard, present in WW	t in WW	
				[none]			
				[none]			
				[none]			
				[none]			
				[none]			
				[none]			
				[none]			
				[none]			
Special Condition:	ndition: # <u>D.10</u>	#	# # #	#	#	#	#
List related SMR certs: SMR cert frequency:	certs: # [none]	# [none]	# <u>[none]</u> #	# [euou]	# [<u>luone]</u>	<u>[none]</u>	# [none]
List related General Rpts: General Rpt frequency:	Il Rpts: # [none]	# [none]	# <u>[euou]</u> #	# [none]	# [none]	# [none]	# [none]
Is this an Ord or Comb	Is this an Ord or Comb SP w/mon for Ord TTO and that has no TOs on site? YES	and that has no		NO ⊠ If Yes, is \$	NO ⊠ If Yes, is SMR Gen Cert. A attached at once/3 mo freq.? YES	hed at once/3 mo fr	eq.? YES □

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Any significant changes? YES NO TExplain: Added SC D10 (storm), added total phenols.

Page 4 of 5

PERMIT NO: 4112195400-3

TYPE: Ord ⊠ Cat □ Comb □

SAMPLING POINT REFERENCE NUMBER: 005

Wastewater Compa	OM SEPTEMENCE NOMBER: 003	ER: 003	ITPE: Ord X Cat Comb	Cat Com				
Flow Rate: 10,000	Flow Rate: 10,000 Units: GPD Basis for Flow Rate: IUQ	Nes, nosp was Basis	Basis for Flow Rate: IUQ	=101				
Pollutants	Basis for inclusion (or exclusion of std polls)	polis)	Basis for limitation (Ord 12559, CFR, etc)		Monitoring	Basis for monitoring freq. (std for vol, etc; innocuous, low flow, etc)	oring freq.	Any
GENERAL:								
FLOW	Standard		n/a	ouce	once 3 mo	standard		
ВОД	Standard		n/a	ouce	once 3 mo	Standard for volume & hosp waste	ne & hosp waste	
000	Standard		n/a	ouce	once 3 mo	Standard for volume & hosp waste	ne & hosp waste	
O&G	Standard		12559	ouce	once 3 mo	Standard for vol &	Standard for vol & waste, present in WW	M/
H	Standard		12559	ouce	once 3 mo	Standard for volume & hosp waste	ne & hosp waste	
Temp	Standard		12559	ouce	once 3 mo	Standard for volume & hosp waste	ne & hosp waste	
TSS	Standard		n/a	ouce	once 3 mo	Standard for volume & hosp waste	ne & hosp waste	
Ord. TTO	Standard		12559	ouce	once/year	Some organics are KP	e KP	
Phenols (total)	Added to all health care facilities	re facilities	12559	ouce	once 3 mo	standard		
				[none]	[6			
PRIORITY/CATEGORICAL	ORICAL:							
				[none]	(n)			
				[none]	70			
			en e	[none]	~			
				[none]	<u></u>			
				[none]	6		÷	
				[none]	5			
	-			[none	[6]			
				[none]	6			
Special Condition:	andition: # <u>D.10</u>	#	#	#	#	#	#	#
List related SMR certs: SMR cert frequency:	R certs: #	#	# [none]	# [none]	# [none]	# [none]	# [none]	# [none]
List related General Rpts: General Rpt frequency:	al Rpts: #	#	# [noue]	#	# [none]	# [none]	# [none]	#
Is this an Ord or Com	ls this an Ord or Comb SP w/mon for <u>Ord</u> TTO <u>and</u> that has no		TOs on site? YES	No □	f Yes, is SMR (Sen Cert. A attach	NO 🖂 If Yes, is SMR <u>Gen Cert. A</u> attached at once/3 mo freq.? YES	eq.? YES □
Any significant changes? YES 🖂	ges? YES ⊠ NO □	Explain: <u>Addec</u>	Explain: Added SC D10 (storm), added total phenols.	added total	<u>phenols.</u>			
)))) -	·				

REV 9/2009

PERMIT PREPARATION CHECKLIST - PART 1 (Fact Sheet Attachment)

Company Name: SSM CARDINAL GLENNON CHILDREN'S HOSPITAL Permit No.: 4112195400-3

Effective Date: 5/1/2010

Prepared by: S. Rehmer

Date: 2/9/2010

ANIO	REVIEW THE PRETREATMENT DATABASE (PIMS), INDUSTRY FILE AND PERMIT APPL	ICATION.
ICVIA BURNESSES	WER THESE QUESTIONS & UPDATE THE DATABASE PRIOR TO DEVELOPING THE DRAF	W/W/W/W/W/W/W/W/W/W/W/W/
1.	Are the correct SICs listed?	Yes 🛛 No 🗌
50. MD (1881/1881)	If no, add <u>delete:</u>	20 - 188 - 188 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1880 - 1
2.	Is user in surcharge?	Yes ☐ No 🛛
	If yes, date last certified:	
60 188 188 188 188	If yes, Special Condition F.2 applies.	\$\ \#\ \#\ \#\ \#\ \#\ \#\ \#\ \#\ \#\ \
3.	Does user's premise have more than one MSD account?	Yes 🔲 No 🛛
	If yes, were all account numbers correctly listed (including occupant #s)?	Yes 🔲 No 🔲
80 (185 (180) 180 (180)	If no, have account numbers been corrected in database before proceeding?	Yes 🔲 No 🗍
4.	Does user have a Return Factor (RF) other than 1.00 for any account?	Yes ⊠ No 🗌
	If yes, list acct no., RF and date last updated:	
	Acct <u>00208068</u> RF <u>0.79</u> Updated <u>9/4/2009</u>	
	Acct RF Updated	
T. B. B. B. (1111/1117)	lf yes, Special Condition F.1 applies.	80 (1817 (1817 (1817 (1817 (1817 (1817 (1817 (1817 (1817 (1817 (1817 (1817 (1817 (1817 (1817 (1817 (1817 (1817
5.	Does user discharge water from a source not included in the MSD Billing system? If was Special Condition F.3.8 Congred Report "Discharge Volume for Billing" and the Billing of the Billi	Yes 🗌 No 🛛
6°, 29°, 20°, 180°, 180°,	If yes, Special Condition F.3 & General Report "Discharge Volume for Billing" apply.	87/87/88/88/187/88/187/88/187/88/187/88/187/88/187/88/
6.	Have you established agreement among permit application, water consumption records and PIMS on component flows at each SP, total SP flows and total premise flow?	Yes 🛛 No 🗌
	If no. explain	
**************************************	ு நாள்ளார்கள் களியாள்ளார்கள் களியாளியார்கள் களியாளியார்கள் imitations?	Yes No 🕅
٠.	If yes Parameter(s) at SP(s)	Yes 🗌 No 🛚
	If yes, Special Condition C.4 applies.	
8. 8.	Been would be the common of t	Yes No 🗌
0.	If yes, Special Condition E.18 & General Report "Radiation Discharge" apply.	169 🕅 140 🖂
9.	Do all of the user's active connections, to MSD sewers, have identified SPs?	Yes 🔯 No 🗌
	If no, explain:	103 🖂 140 🗀
	If no, is documentation sufficient to use Spec Cond ☐ E.5, ☐ E.6, ☐ E.7 or ☐ E.8?	Yes 🗌 No 🗍
	If no, is compliance schedule necessary to obtain documentation?	Yes No
E. 1881 (1881 (1881 (1881)	If yes, Special Condition G.1 is necessary.	hand 1 - Land
10.	Does premise require use of "upstream/downstream" sampling?	Yes ☐ No 🏻
	If yes, Upstream SP # & Downstream SP #	Comment Comment
97 (MP) (MP) (MP) (MP)	If yes, Special Conditions D.11 and E.9 apply.	80 800 800 800 800 800 800 800 800 800 800 800 800 800 800 800 800 800 800
11.	Are there any inactive connections to MSD sewers?	Yes ☐ No 🛛
100 / 2 00 0 / 2007 / 2007 / 2007 /	If yes, does Special Condition E10. apply?	Yes 🗌 No 🗌
12.	Have you verified, in PIMS, the SP location descriptions are complete and adequate?	Yes ⊠ No 🗌
/**/**/**//***/***/***/***/***/*	Have you verified, in PIMS, the discharge components, process descriptions and related	9/10/90/90/90/90/90/90/90/90/90/90/90/90/90
	flows at all SPs, are complete and adequate?	Yes ⊠ No □
14.	and the survey of the companies of the c	Yes No 🕅
	If yes, list points and note on P&LD sheets.	I es 🔲 INO 🔯
	If yes, Special Condition E.3 applies.	
15.	Do any SPs convey stormwater in addition to regulated wastewater?	Yes No [
10.	If yes, list points: 001, 004, 005 and note on P&LD sheets.	res 🖾 No 🗀
	If ves. Special Condition D.10 applies.	
**************************************	Does user have any discharges subject to NPDES permitting regulations?	Yes No 🛇
	If yes, list MSD points & corresponding NPDES points:	103 🗀 110 🖂
01 - 000 - 1000 / 1000 / 1000 /	If yes, Special Condition E.14 applies.	
17.	Are there some SPs where user discharges only non-process wastewater?	Yes No 🗵
	ii yes, does Speciai Condition E.3 apply?	Yes 🗌 No 🗍
/ # / #*/# */#*/#	If yes, list points and note on P&LD sheets.	
18.	Is documentation adequate to allow use of grab samples in lieu of composites at any SPs?	Yes ☐ No 🛛
	If yes, list points and note on P&LD sheets.	
(-100 / 100 - 100 / 100 / 100 / 100 / 100 / 100 / 100 / 100 / 100 / 100 / 100 / 100 / 100 / 100 / 100 / 100 /	If yes, Special Condition D.1 applies.	

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19.	Are there SPs with less than a quarterly self-monitoring frequency for <u>all</u> parameters?	Yes No X
	If yes, list points and note on P&LD sheets.	162 🗌 140 🔯
	If yes, Special Condition E.4 applies.	
20.	Can local limits TTO be removed from monitoring at any ordinance SPs? If yes, list points and explain on P&LD sheets. If yes, does TTO also need to be removed from MSD's monitoring?	
	If yes, list points and explain on P&LD sheets.	Yes 🗌 No 🛛
	If yes, does TTO also need to be removed from MSD's monitoring?	Van D. Na D
	if yes, discuss with inspector (name:) and explain why it had	Yes 🗌 No 🗌
M (30 / 30 / 30 / 30 / 30 /	been monitored by MSD:	
21.	Does user have a history of compliance problems at this or a previous location?	Yes No 🕅
	If yes, is a compliance schedule required?	Yes No
	If yes, Special Condition G.1 applies.	100 🗀 140 🗀
	Is supporting documentation attached?	Yes ☐ No ☐
22.	Is user required to monitor for Total Phenois at an ordinance SP?	M(M(M(M)M(M)M(M)M(M)M(M(M)M(M)M(M)M(M)M
	If yes, does Special Condition D.3 apply?	Yes ⊠ No ∐
		Yes 🔯 No 📋
23.	Has user chosen to employ continuous monitoring techniques for:	
	pH? If yes, list points SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply.	Yes 🗌 No 🛛
	Temp? If yes, list points SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply.	Yes 🗌 No 🛛
15 (1885 1887 1887 1887 1	LEL? If yes, list points SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply.	Yes 🗌 No 🛛
24.	Does the company perform any processes for which summaries of activities are needed? If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.	Yes ☐ No 🛛
4 - 40 - 20 - 20 - 20 - 20 - 20 - 20 - 2	If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.	
25.	Are special billing conditions, other than the standard Special Conditions, needed?	Yes ☐ No 🛛
	If yes, describe:	- DD
	Does General Report "Discharge Volume for Billing" apply?	Yes 🗌 No 🗍
de de la de de la deservación de la decimiento de la deci	Does General Report "Custom Non-Standard" apply?	Yes 🗌 No 🗍
26.	Are any Special Conditions, other than the standard special conditions, required?	Yes ☐ No 🏻
	If yes, explain:	162 🖂 140 🔯
	Is supporting documentation attached?	Yes 🗌 No 🗌
	Does General Report "Custom Non-Standard" apply?	
27.		[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]
21.	Is user a hauled waste industry, discharging its wastewater at the Hauled Waste Station?	Yes ∐ No ⊠
	If yes, have permit title, cover page language, & general conditions been modified?	Yes 📙 No 🗌
C 180 180 180 180 180 180 180 180 180 180	If yes, Special Conditions B.9, D.13, H.1, and H.2 apply.	90 - 200 - 200 - 400 - 800 (800 (800 (800 (800 (800 (800 (800 (800 (800 (800 (800 (800 (
28.	Is user classified as a Categorical Industrial User (CIU)?	Yes ☐ No 🕅
2/407477; (M//M//M	If yes, complete part 2 of checklist. If no, STOP here.	W/100/100/100/100/100/100/100/100/100/10
l iet al	I the Special Conditions from Dort 4 that are small and to the	(1881-1891-1821-1991-1991-1891-1891-1891-
List th	I the Special Conditions from Part 1 that are applicable to this permit.	
List th	ose that are specific to a sampling point on that sampling point's fact sheet, too. ose that are not specific to a sampling point on the "Special Conditions Not Tied to Specific SPs	" fact chapt too
		iaci sneet, too.
	General Report Special Condition # Sampling Point #	
	F.1 n/a Rad Disch. E.18 n/a	
	Rad Disch. E.18 n/a D.10 001, 004, 005	
	Rad Disch. E.18 n/a	



Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913

Phone: 314.768.6200 www.stlmsd.com

February 20, 2008

Rich Cunningham Director of Safety & Security SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 South Grand Blvd St. Louis, MO 63104

Re: Discharge Permit No: 4112195400 - 2

For premise at:

1465 South Grand Blvd.

St. Louis, MO 63104

Dear Mr. Cunningham:

Your Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit issued on January 01, 2008, for the above premise, is hereby modified as per the attached modified permit, effective March 01, 2008.

The following modification was made to the permit:

Sample Point 005 has been added for this facility, due to the new west building within the hospital complex. The self-monitoring requirements for this new sample point are similar to the other two sample points.

We have reissued the entire permit for your convenience. Please replace your prior permit with this letter and the modified permit. The terms of the modified permit supersede your prior permit.

This modification does not affect any monitoring or analysis of your discharge that may be necessary to comply with other requirements of your permit and in no way relieves you of your obligations to achieve the discharge limitations as provided in the permit.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8756, if you have any questions.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer

Enclosures: Industrial Wastewater Discharge Permit

cc: Doug Mendoza Dave Kupke

METROPOLITAN ST. LOUIS SEWER DISTRICT DIVISION OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 4112195400 - 2

EFFECTIVE DATE:

March 01, 2008

EXPIRATION DATE:

April 30, 2010

ISSUED TO: SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 South Grand Blvd St. Louis, MO 63104

SIC NUMBER(S): 8069

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 3

SAMPLING PT. REF NUMBER(S): 001, 004, 005

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer Assistant Engineer

Permit No.: Page No.:

<u>4112195400 - 2</u>

Effective Date:

March 01, 2008

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION:

MH on sidewalk S of Vista Ave., E of overhead walkway, Flow from SE

AVERAGE WASTEWATER FLOW (GPD): 70,670

WASTEWATER SOURCE AND CATEGORY: Sanitary + Boiler Blowdown + Cooling Tower Blowdown + Hospital Waste + Kitchen Waste + Storm Water

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	012
Chemical Oxygen Demand [mg/L]	安安安女	Daily Avg	Once/3 mo Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Silver (Total) [mg/L]	0.5	Daily Avg	Once/3 mo
「emperature [Deg C]	60	Instant	Once/3 mo
otal Suspended Solids [mg/L]	***	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once / year
oh (SU)	11.5	Instant	Once/3 mo
oH [SU]	5.5	Instant	Once/3 mo

- Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- ** See Section I.A.2 of the permit conditions.
- *** Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- **** See Section I.A.11 of the permit conditions.

Page No.: Effective Date: 4112195400 - 2

March 01, 2008

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 004

SAMPLING POINT LOCATION:

MH 3' W from SW corner of emergency building

AVERAGE WASTEWATER FLOW (GPD): 7,000

WASTEWATER SOURCE AND CATEGORY: Hospital Waste (X-ray, and laboratory services) + Sanitary +

Storm Water

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	***	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Silver (Total) [mg/L]	0.5	Daily Avg	Once/3 mo
emperature [Deg C]	60	Instant	Once/3 mo
otal Suspended Solids [mg/L]	***	Daily Avg	Once/3 mo
Fotal Toxic Organics [mg/L]	5.844	Instant	Once / year
oh (su)	11.5	Instant	Once/3 mo
oH [SU]	5.5	Instant	Once/3 mo

Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section Il of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

See Section I.A.11 of the permit conditions.

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March 01, 2008

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Effective Date:

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 005

SAMPLING POINT LOCATION:

Manhole 12' N, 10' E from the NW corner of the west building

AVERAGE WASTEWATER FLOW (GPD): 10,000

WASTEWATER SOURCE AND CATEGORY: Non Contact Cooling Water (Autoclave) + Hospital Waste + Sanitary + Storm Water

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	***	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
emperature [deg C]	60	Instant	Once/3 mo
otal Suspended Solids [mg/L]	***	Daily Avg	Once/3 mo
otal Toxic Organics [mg/L]	5.844	Instant	Once / year
H [SU]	11.5	Instant	Once/3 mo
oH [SU]	5.5	Instant	Once/3 mo

Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

^{**} See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

^{****} See Section I.A.11 of the permit conditions.

Permit No.: Page No.: 4112195400 - 2

Effective Date:

5 March 01, 2008

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
 - 2. The limitation types, which may be specified in this permit, are defined as follows:

An INSTANT limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A DAILY AVG limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A DAILY MAX limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive <u>sampling</u> days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

- 3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:
 - a. Temperature, pH and chlorine residual measurements, when required, shall be made on-site at the points of discharge and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
 - b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
 - c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

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Effective Date: March 01, 2008

4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- 5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- 6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- 7. If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous temperature and/or pH monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, the total time for all excursions for temperature and the total time for all excursions for pH.
- 8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- 9. A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:
 - a. All facility and sample description information required on the District's reporting form.
 - b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
 - c. Daily flows, with dates, for all measurements or estimates made within the quarter.
 - d. Any certification statements required pursuant to the Special Conditions in Section II.
 - e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

January 1 through March 31

April 1 through June 30

July 1 through September 30

October 1 through December 31

The report must be postmarked no later than:

April 28

July 28

October 28

January 28

A report must be submitted for <u>each</u> calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The first report, under the terms of this permit, is due by April 28, 2008.

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

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Effective Date: March 01, 2008

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

B. CHANGE IN DISCHARGE:

- 1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- 2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.
 - 3. As defined in Article II of District Ordinance 12559, significant new or increased discharge means:
 - a. Any discharge from a new process or facility or a new source.
 - b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
 - c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
 - d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.
 - e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
 - f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 12559.
 - g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

C. PROBLEM DISCHARGE:

- 1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.
- 2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to

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Effective Date:

March 01, 2008

continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

Slug discharge control: The permittee shall develop and implement procedures to control slug discharges. as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- There are no feasible alternatives to the bypass; and b.
- In the event of an anticipated bypass, advance notice is provided to the District's Division of C. Environmental Compliance.

E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to. the following causes:

- a. A violation of any term or condition of this permit.
- A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit. b.

F. PERMIT TERMINATION OR MODIFICATION:

- This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.
- Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

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Effective Date:

March 01, 2008

RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District Division of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

- 2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.
- 3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

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Effective Date:

March 01, 2008

SECTION II- SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

A. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

A.1. Radioactive Discharge Reporting Requirements

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

(1) For materials subject to licensing by the Nuclear Regulatory Commission:

5 curies Hydrogen-3

1 curie Carbon-14

1 curie for all other radioactive materials combined

(2) For all other materials:

1 curie for all radioactive materials combined

Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

B. SPECIAL BILLING REPORTING REQUIREMENTS

B.1. Reporting Changes Which Might Impact Return Factor

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on seventy-nine (79) percent of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Department of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

THIS IS THE LAST PAGE OF THIS PERMIT

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL WASTEWATER DISCHARGE PERMIT

DOCUMENTATION FORM for PERMIT MODIFICATION

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Company Name: SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

Location: 1465 South Grand Blvd, 63104

Permit No: 4112195400-2

Original Effective Date: 1/1/2008

Modification Effective Date: 3/1/2008

What is to be Modified:

Briefly explain what is to be modified and then list the pages & how affected::

Sample Point 005 has been added for this facility, due to the new west building within the hospital complex.

Pg. #1 Effective date, Discharge points

Pg. #2 Volume updated for 001

Pg. #3 Volume updated for 004

Pg. #4 New SP-005 sheet

Pg. #6 First report due date

Pg. # _____

Pg. # _____

Pg. # _____

Reasons for Modification:

Cite regulation, policy, etc. and identify any other documents which support the modification:

Facility Reinspection Report, Dave Kupke, dated 01-25-2008. Revised pages 3 & 4 of the IUQ to reflect the discharge quantities for the THREE sample points (received 02-15-2008).

Prepared by: Scott Rehmer	Date: 02-19-2008	Permit Modified by: Scott Rehmer	Date: 02-19-2008
Reviewed by: DMM	Date: LAL-17		

Rev 07/2007



Metropolitan St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 Phone: 314.768.6200 www.stlmsd.com

December 28, 2007

Rich Cunningham, Director of Safety & Security SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 South Grand Blvd St. Louis, MO 63104

Re: Discharge Permit No: 4112195400 - 1

For premise at: 1465 South Grand Blvd, 63104

Dear Mr. Cunningham:

On December 13, 2007, the Metropolitan St. Louis Sewer District adopted new Sewer Use Ordinance No. 12559. This ordinance becomes effective January 1, 2008, and replaces Ordinance No. 8472. As a result, your Industrial Wastewater Discharge Permit is modified as per the attached modified permit for the above premise. We have reissued the entire permit for your convenience.

Among the changes in the new ordinance, it raises the limits for TTO and it updates the restrictions on radioactive materials to the sewer system. The new restrictions more closely parallel State and Federal regulations.

MSD Ordinance No. 12559 limits the discharge of radioactive materials to sewers to what is allowed under your Nuclear Regulatory Commission and/or Missouri Department of Health licenses. The old ordinance restricted the aggregate discharge from all users to one curie/year for each sewage treatment plant. Please note that all radioactive material discharged to the sewer system must continue to be readily soluble or readily dispersible biological material, in water.

If, at any time, the current level of radioactive materials discharge will increase by 20 percent or more, you must notify MSD, in writing at least ten business days prior to the date of the planned increase. This requirement is contained in Article VIII, Section Six of Ordinance No. 12559.

As a condition of the District's approval, you must continue to submit a completed copy of the Radioactive Materials Discharge Report to the District on a quarterly basis. This approval does not relieve you of any requirements set forth under applicable state or federal regulations. In addition, you must continue to meet all provisions of MSD District Ordinance 12559.

Thank you for your assistance in helping us to comply with state and federal regulations. If you have any questions, please call me at 314.436.8756.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer, Assistant Engineer

Enclosures: Industrial Wastewater Discharge Permit

cc: Doug Mendoza Dave Kupke

PRIORITIES PERFORMANCE

SERVICE

METROPOLITAN ST. LOUIS SEWER DISTRICT DIVISION OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 4112195400 - 1

EFFECTIVE DATE:

January 01, 2008

EXPIRATION DATE:

April 30, 2010

ISSUED TO: SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 South Grand Blvd St. Louis, MO 63104

SIC NUMBER(S): 8069

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 2

SAMPLING PT. REF NUMBER(S): 001, 004

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer

Assistant Engineer

Douglas M. Mendoza, P.E.

Mar. of Industrial Pretreatment

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Effective Date:

January 01, 2008

DISCHARGE LIMITATIONS

001

SAMPLING POINT REFERENCE NUMBER:

SAMPLING POINT LOCATION:

MH on sidewalk S of Vista Ave., E of overhead walkway, Flow from SE

AVERAGE WASTEWATER FLOW (GPD): 70,890

WASTEWATER SOURCE AND CATEGORY: Sanitary + Non Contact Cooling Water (Autoclaves) + Cooling Tower Blowdown + Hospital Waste + Kitchen Waste

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit * Type			
Biochemical Oxygen Demand (5 Day)	***	Daily Avg	Once/3 mo	
Chemical Oxygen Demand	***	Daily Avg	Once/3 mo	
Flow [GPD]	***	Daily Avg	***	
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo	
Silver (Total) [mg/L]	0.5	Daily Avg	Once/3 mo	
Temperature [Deg C]	60	Instant	Once/3 mo	
Total Suspended Solids	***	Daily Avg	Once/3 mo	
Total Toxic Organics [mg/L]	5.844	Instant	Once/year	
pH [SU]	11.5	Instant	Once/3 mo	
pH [SU]	5.5	Instant	Once/3 mo	

- Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.
- ** See Section I.A.2 of the permit conditions.
- *** Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- **** See Section I.A.11 of the permit conditions.

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Effective Date:

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January 01, 2008

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER:

SAMPLING POINT LOCATION:

MH 3' W from SW corner of emergency building

AVERAGE WASTEWATER FLOW (GPD): 7,000

WASTEWATER SOURCE AND CATEGORY: Hospital Waste (X-ray, and laboratory services) + Sanitary

004

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
		00C00000000000000000000000000000000000	4
Biochemical Oxygen Demand (5 Day)	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand	冷救失弃	Daily Avg	Once/3 mo
Flow [GPD]	会会女	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Silver (Total) [mg/L]	0.5	Daily Avg	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Temperature [Deg C] Total Suspended Solids	***	Daily Avg	Once/3 mo
	5.844	Instant	Once/year
Total Toxic Organics [mg/L]	11.5	Instant	Once/3 mo
pH [SU]			
pH [SU]	5.5	Instant	Once/3 mo

Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

See Section I.A.11 of the permit conditions. ****

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Page No.: Effective Date:

January 01, 2008

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
 - 2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A DAILY AVG limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A DAILY MAX limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A **MONTHLY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A 4-DAY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive <u>sampling</u> days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

- 3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:
 - a. Temperature, pH and chlorine residual measurements, when required, **shall be made on-site at the points of discharge** and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
 - b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
 - c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

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Effective Date: January 01, 2008

4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

- a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.
- b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- 5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- 6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- 7. If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous temperature and/or pH monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, the total time for all excursions for temperature and the total time for all excursions for pH.
- 8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- 9. A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:
 - All facility and sample déscription information required on the District's reporting form.
 - b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
 - c. Daily flows, with dates, for all measurements or estimates made within the quarter.
 - d. Any certification statements required pursuant to the Special Conditions in Section II.
 - e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

January 1 through March 31

April 28

April 1 through June 30

July 28

July 1 through September 30

October 1 through December 31

The report must be postmarked no later than:

April 28

October 28

January 28

A report must be submitted for <u>each</u> calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The first report, under the terms of this permit, is due by April 28, 2008.

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

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Effective Date: January 01, 2008

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

B. CHANGE IN DISCHARGE:

- 1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- 2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.
 - 3. As defined in Article II of District Ordinance 12559, significant new or increased discharge means:
 - a. Any discharge from a new process or facility or a new source.
 - b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
 - c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
 - d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.
 - e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
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 - g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

C. PROBLEM DISCHARGE:

- 1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.
- 2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to

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Effective Date: Ja

January 01, 2008

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The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Division of Environmental Compliance.

E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

F. PERMIT TERMINATION OR MODIFICATION:

- 1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.
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G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

Permit No.: 4112195400 - 1
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Effective Date: January 01, 2008

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District Division of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

- 2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.
- 3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

o.: <u>4112195400 - 1</u>

Page No.: Effective Date:

January 01, 2008

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SECTION II- SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

A. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

A.1. Radioactive Discharge Reporting Requirements

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

(1) For materials subject to licensing by the Nuclear Regulatory Commission:

5 curies Hydrogen-3

1 curie Carbon-14

1 curie for all other radioactive materials combined

(2) For all other materials:

1 curie for all radioactive materials combined

Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

B. SPECIAL BILLING REPORTING REQUIREMENTS

B.1. Reporting Changes Which Might Impact Return Factor

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on seventy-nine (79) percent of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Department of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

THIS IS THE LAST PAGE OF THIS PERMIT

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL WASTEWATER DISCHARGE PERMIT

DOCUMENTATION FORM for PERMIT MODIFICATION

Perm	it to	be N	/lodified	1:

Company Name: SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

Location: 1465 South Grand Blvd, St. L, MO 63104

Permit No: <u>4112195400</u> Original Effective Date: <u>05/01/2005</u>

Modification Effective Date: 01/01/2008

What is to be Modified:

Briefly explain what is to be modified and then list the pages & how affected::

Sewer Use Ordinance 12559 in effect; Radioactive & TTO limits up

Pg. # 1 Effective date

Pg. # 2-3 For SP's, Limit change for TTO

Pg. # 5 First report due date

Pg. # 9 SC E.18 Radioactive Discharge Reporting Requirements

Pg. # ____

Pg. # _____

Pg. # ____

Pg. # ____

Reasons for Modification:

Cite regulation, policy, etc. and identify any other documents which support the modification:

MSD Ord. 12559 adopted 12-13-2007; effective 01-01-2008; supercedes Ord. 8472.

F*Ir			
Prepared by: S. Rehmer	Date: 12-27-2007	Permit Modified by: S. Rehmer	Date: 12-27-2007
Reviewed by: DAM	Date: 12-17-77	W tall V	



Metropolitan St. Louis Sewer District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

April 1, 2005

Bud Frederich Facilities Manager SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104

RE:

Discharge Permit No: 41121954-00

For premise at:

1465 S. Grand Boulevard

Dear Mr. Frederich

Enclosed is the Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit for the premise identified above. This permit is issued pursuant to the federal pretreatment regulations in 40 CFR 403 as amended October 3, 2001. This permit has been prepared based on information that you supplied in the District's Industrial User Questionnaire, on results from previous wastewater samplings and inspections and on requirements contained in existing MSD ordinances and state and federal regulations.

Except as noted in this paragraph, the terms and conditions of this permit are substantially the same as in the previous permit. Section I of the permit conditions has been reorganized and includes additional clarifying language but does not contain any new requirements. Other minor changes may have been made to improve the overall clarity of the document.

The previous permit, effective May 1, 2000, is voided as of the effective date of the enclosed permit.

Monitoring reports required by the conditions of this permit must be submitted quarterly for the life of the permit. The first report due date, for this reissued permit, is based on a complete calendar quarter monitoring period. The permittee remains responsible for reporting for the preceding calendar quarter under the previous permit. Copies of the necessary report forms are enclosed.

If you disagree with any of the terms or conditions of this permit please inform us, in writing, within 15 working days of receipt. Absence of a response within this time frame will be deemed acceptance, by you, of the provisions of this permit.

You may contact us at 436-8756 at any time if you have any question about your permit.

Sincerely,

METROPOLITANIST. LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

Enclosures

cc: Permit file

METROPOLITAN ST. LOUIS SEWER DISTRICT DEPARTMENT OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 41121954-00

EFFECTIVE DATE:

May 01, 2005

EXPIRATION DATE: April 30, 2010

ISSUED TO: SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 SOUTH GRAND BOULEVARD

ST. LOUIS, MO 63104

SIC NUMBER(S): 8069

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: TWO

SAMPLING PT. REF NUMBER(S): 001, 004

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 8472, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski

Assistant Engineer

Doyglas M. Mendoza P.E. Industrial Waste Engineer

Page No.:

41121954-00

Effective Date:

May 01, 2005

DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION: MH on sidewalk S of Vista Ave., E of overhead walkway, Flow from SE

AVERAGE WASTEWATER FLOW (GPD): 74,445

WASTEWATER SOURCE AND CATEGORY: Hospital Waste + Sanitary + NCCW + Boiler Blowdown + Cooling Tower Blowdown

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency	
Flow [GPD]	***	Daily Avg	***	
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	Once/3 mo	
Chemical Oxygen Demand [mg/L]	****	Daily Avg	Once/3 mo	
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo	
pH [SU]	11.5	Instant	Once/3 mo	
pH [SU]	5.5	Instant	Once/3 mo	
Temperature [Deg C]	60	Instant	Once/3 mo	
Total Suspended Solids [mg/L]	***	Daily Avg	Once/3 mo	
Silver (Total) [mg/L]	.5	Daily Avg	Once/3 mo	
Total Toxic Organics [mg/L]	5.52	Instant	Once/year	

^{*} Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.

^{**} See Section I.A.2 of the permit conditions.

^{***} Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

^{****} See Section I.A.11 of the permit conditions.

Page No.:

41121954-00

Effective Date:

May 01, 2005

DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 004

SAMPLING POINT LOCATION: MH 3' W from SW corner of emergency building

AVERAGE WASTEWATER FLOW (GPD): 7,000

WASTEWATER SOURCE AND CATEGORY: Hospital Waste + Sanitary

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter -	Limit *	Limit Type **	Sampling Frequency
Flow [GPD] Biochemical Oxygen Demand (5 Day) [mg/L] Chemical Oxygen Demand [mg/L] Oil and Grease (Total) [mg/L] pH [SU] pH [SU] Temperature [Deg C] Total Suspended Solids [mg/L] Silver (Total) [mg/L] Total Toxic Organics [mg/L]	*** *** 200 11.5 5.5 60 **** .5 5.52	Daily Avg Daily Avg Daily Avg Instant Instant Instant Instant Daily Avg Daily Avg Instant	*** Once/3 mo

Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.

See Section I.A.2 of the permit conditions.

Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

^{****} See Section I.A.11 of the permit conditions.

41121954-00

Page No.: Effective Date:

May 01, 2005

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
 - 2. The limitation types, which may be specified in this permit, are defined as follows:

An INSTANT limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A **DAILY AVG** limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A **DAILY MAX** limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A 4-DAY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive <u>sampling</u> days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

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Page No.: 5

Effective Date: May 01 2005

3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:

a. Temperature, pH and chlorine residual measurements, when required, shall be made on-site at the points of discharge and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.

b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.

- c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.
- 4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.
 - a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.
 - b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- 5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- 6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- 7. If the permittee employs continuous monitoring techniques for pH and/or temperature at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-C of District Ordinance 8472. The permittee shall include, with each self-monitoring report, a summary of the continuous temperature and/or pH monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, the total time for all excursions for temperature and the total time for all excursions for pH.
- 8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- 9. A self-monitoring report (on forms supplied by the District) shall be submitted to the District's Department of Environmental Compliance for each calendar quarter. Each report shall include:
 - a. All facility and sample description information required on the District's reporting form.
 - b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
 - c. Daily flows, with dates, for all measurements or estimates made within the quarter.

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d. Any certification statements required pursuant to the Special Conditions in Section II.

e. Any other data or attachments required pursuant to the Special Conditions in Section II. Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 8472. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

January 1 through March 31

April 1 through June 30

July 1 through September 30

October 1 through December 31

The report must be postmarked no later than:

April 28

October 28

January 28

A report must be submitted for <u>each</u> calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The first report, under the terms of this permit, is due by July 28, 2005.

- 10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Department of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.
- Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

B. CHANGE IN DISCHARGE:

- 1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- 2. The permittee shall notify the District's Department of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.

Permit No.: 41121954-00
Page No.: 7
Effective Date: May 01, 2005

3. As defined in Article II of District Ordinance 8472, significant new or increased discharge means:

a. Any discharge from a new process or facility or a new source.

- b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
- c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
- d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 8472.
- e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
- f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 8472.
- g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

C. PROBLEM DISCHARGE:

- 1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.
- 2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Department of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

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Effective Date: May 01, 2005

D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;

b. There are no feasible alternatives to the bypass; and

c. In the event of an anticipated bypass, advance notice is provided to the District's Department of Environmental Compliance.

E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

a. A violation of any term or condition of this permit.

b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

F. PERMIT TERMINATION OR MODIFICATION:

- 1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.
- 2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 8472 Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Department of Environmental Compliance.

G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 8472 until the District issues a new permit or denies the application.

41121954-00 Page No.:

Effective Date:

May 01, 2005

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than three (3) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 8472.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 8472.

M. NOTIFICATION AND REPORTING:

All notifications and reports required by this permit shall be directed to: 1.

> Metropolitan St. Louis Sewer District Department of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.

41121954-00

Page No.:

10 May 01, 2005

Effective Date:

3. During normal business hours, notifications may be made by calling the District's Department of Environmental Compliance at (314) 436-8710.

SECTION II - SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

A. Special Certification and Reporting Requirements:

1. Permittee is authorized to discharge not more than 1.2 millicuries of radioactive material per year to the District's sanitary sewers. Such materials must be soluble, or dispersible if biological material, in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, in conjunction with other user's discharges of radioactive materials, causes the aggregate of all radioactive materials entering the District's treatment plant to exceed one (1) curie per year or causes interference as defined in MSD Ordinance 8472.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

B. Special Billing Reporting Requirements:

1. Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on **seventy-nine** (79) **percent** of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Department of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

THIS IS THE LAST PAGE OF THIS PERMIT

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT FACT SHEET

Check one:	Daniel have		Date: 05	CT C	56
FIRST TIME PERMIT RENEWAL	Prepared by: Reviewed by:			18/09	25
REVISION	Reviewed by:	9. · · · ·		V V	
				4	
PERMIT NO: 41/21964 -00 EFFECTI					50.10
MODIFICATION DATES: (1), (2	()	3),	(4)		
COMPANY NAME: 55M CHROMAL GUELL					
PREMISE ADDRESS: 14666, GRANO &	LYO. ST. LOU	≤, MO (031	04	-	
RELATED ACCOUNT NUMBERS 411348	53-d^				
SIC NUMBER'S: <u>8069</u> ~				to 7	
TYPE OF OPERATION: HOSPITAL		, <u>4</u> ,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4		,	,
TOTAL NUMBER OF SAMPLING POINTS:	CATEGORIO	; NO SAMPLE CAL <u>×</u>	POINT X	D <u>X</u>	······
CATEGORICAL INDUSTRY? YES If Yes, 40 CFR Subpart	NO <u></u>		PSES	— PSN	1S -
40 CFR Subpart					
EXTRA STRENGTH SURCHARGE? YES	NO .	If Ves BOD	COD	——— Т З:	
		II Tes, Acci#	Hariatz	<u> </u>	<u>V. (</u>)
SPECIAL CONDITIONS REQUIRED? YES	✓ NO				
SUPPORTING DOCUMENT	S ATTACHED		YES	NO	N/A
Pollutant & Limitations Documentation Sheets:			1/		
Permit Preparation Checklist:					
Production Based Standards Calculation Sheets					/ /
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If Yes, for Sampling Points:					
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Most Strict Standards Calculation Sheets: If Yes, for Sampling Points: Combined Wastestream Calculations Sheets: If Yes, for Sampling Points: Other:		last permit): N	A		

PERMIT NO: 41121954-DO

SAMPLING POINT REFERENCE NUMBER: Ord. TYPE: Ord.	at Comb
Wastewater Components: Hosp waste + SAH + NCCW + BOIL BLOWDOWN +	CODILING TOWN
Flow Rate: 14,445 GPO Basis for Flow Rate: 100	Barba
General Pollutants: BOD / COD / O> / pH / Temp / TSS /	Ord TTO
Other: NA	
Priority Categorical Pollutants: As: X-RAY WASTE	
Basis for Pollutants: STO PMT POLLUTANTS	
Basis for Limitations: MSO ORD # 8472.	
Basis for Monitoring Frequencies: 13 mounts; Volume O Hospital was	TB
Special Conditions: #, #, #, #, #, #, #	<u> </u>
Any significant changes in Components, Flows, Limits or Monitoring Reqs from previous permit? Y	TES_NO ✓
SAMPLING POINT REFERENCE NUMBER: 074 TYPE: Ord. C	at Comb
Wastewater Components: 14000 Waste + SANITARY	
Flow Rate: 1,000 GPD Basis for Flow Rate: \(\sqrt{\sq}}}}}}}}}} \simptintitititititititititititititititititi	
	_
General Pollutants: BOD \(\sumeq \text{COD} \sumeq \text{O>} \sumeq \text{pH} \sumeq \text{Temp} \sumeq \text{TSS} \sumeq \text{constant}	Ord TTO
Other NIA	31 u 110 <u>v</u>
Thomas Tomatanis.	
Basis for Pollutants: (
Basis for Limitations: SEE SPOOL	***************************************
Basis for Monitoring Frequencies:	
Dasis for Monitoring Frequencies.	
Special Conditions: #, #, #, #, #, #, #, #, #, #,	
Any significant changes in Components, Flows, Limits or Monitoring Req from previous permit? Y	es no 🗸
Explain:	
EV 03/01 Page	2 of 2

PERMIT PREPARATION CHECKLIST - PART 1 (Fact Sheet Attachment 2)

Comp	any Name:	SSM CORC	anne Guzna	an Ottinorzin	S HOSP.	_ Permit No.: 4\	121954.	-00
Effect	tive Date: <u>〈</u>	95.01.05		Prepared by:	FG	Date:	08.07	.os_
ANSW						ERMIT APPLICATION EVELOPING THE DRA		
1.		rect SICs listed		delete:			Yes <u>/</u>	_ No
2.		urcharge? yes, date last cer yes, Special Con					Yes	_No
3.	Does user'	s premise have n yes, were all acc If no, have	ount numbers	correctly listed (in	ncluding occup d in database l	oant #s)? pefore proceeding?	Yes Yes Yes	_ No _ No _ No
4.	If ; Ac Ac	yes, list acct no. cct <u>A I/2/1954</u> cet	RF and date 1 RFO RF	er than 1.00 for an ast updated: .79 Updated = Updated	420/04		Yes <u>√</u>	_ No
5.	Does user If	discharge water yes, Special Cor	from a source adition F.3 app	not included in th	e MSD Billing	g system? •••••••••••••••••••••••••••••	Yes	_No <u>/</u>
6.		established agre component flov no, explain	ement among power at each SP,			nption records and flow?	Yes <u>√</u>	_ No
7.	If		s)	n ordinance limita	itions?		Yes	_ No <u>/</u>
8.	Does user	discharge any ra yes, Special Con	dioactive mate	erials?	(181818181818181818181818	UNIONE NO VIOLENCIA (INC. INC. INC. INC. INC. INC. INC. INC.	Yes <u>√</u>	No
9.	Do all of t	he user's active no, explain: no, is document If no, is co	connections, to ation sufficient ompliance sche	o MSD sewers, hat to use Special Codule necessary to condition G.1 is n	ondition E.5, I	E.6, E.7 or E.8?	Yes <u>∨</u> Yes _ Yes _	No
10.	If	nise require use yes, Upstream S yes, Special Co	SP#	ownstream' sam & Downstreamend E.9 apply.	oling? n SP #		Yes _	_ No <u> </u>
11.		any inactive con yes, does Specia			161615161616181818181818181818	annan ann ann ann ann ann ann ann ann a	Yes _ Yes _	No V
12.	Have you	verified, in ECI	MS, the SP loc	ation description	s are complete	and adequate?	Yes ⊻	No
13.		verified, in ECI ll SPs, are comp			process descri	ptions and related	Yes V	No
				1				

		ananananananananananananananananananan
14.	Are any SPs Dry Justified? If yes, list points and note on P&LD sheets. If yes, Special Condition E.3 applies.	Yes No <u></u>
15.	Do any SPs convey stormwater in addition to regulated wastewater? If yes, list points: and note on P&LD sheets. If yes, Special Condition D.10 applies.	Yes No
16.	Does user have any discharges subject to NPDES permitting regulations? If yes, list points: If yes, Special Condition E.14 applies.	Yes No
17.	Are there some SPs where user discharges only non-process wastewater? If yes, does Special Condition E.3 apply? If yes, list points and note on P&LD sheets.	Yes No Yes No
18.	Is documentation adequate to allow use of grab samples in lieu of composites at any SPs? If yes, list points and note on P&LD sheets. If yes, Special Condition D.1 applies.	Yes No
19.	Are there SPs with less than a quarterly self-monitoring frequency for <u>all</u> parameters? If yes, Special Condition E.4 applies.	Yes No/
20.	Can user be given a waiver from monitoring local limits TTO at any ordinance SPs? If yes, list points and explain on P&LD sheets.	Yes No/
21.	Does user have a history of compliance problems at this or a previous location? If yes, is a compliance schedule required? If yes, Special Condition G.1 applies. Is supporting documentation attached?	Yes No Yes No Yes No
22.	Is user required to monitor for Total Phenols at an ordinance SP? If yes, does Special Condition D.3 apply?	Yes No Yes No
23.	Are special billing conditions, other than the standard Special Conditions, needed? If yes, describe:	Yes No
24.	Are any Special Conditions, other than the standard special conditions, required? If yes, explain:	Yes No
	Is supporting documentation attached?	Yes No
25.	Is user classified as a Categorical Industrial User (CIU)? If yes, complete part 2 of checklist. If no, STOP here.	Yes No
List	all the Special Conditions from Part 1 that are applicable to this permit: #F. #E. 8 # # # # # #	_

Rev 12/01



FOR MS	FOR MSD USE ONLY					
Account Number: 00	Category: SIU CIU SU HIFL NOTXWST (XWS NOPRFL MULTI Reviewer Date					

METROPOLITAN ST. LOUIS SEWER DISTRICT OFFICE OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL USER QUESTIONNAIRE

Note to Signing Official: In accordance with Title 40 of the Code of Federal Regulations Part 403, Section 403.14, information and data provided in this questionnaire, which identifies the nature and frequency of discharge, shall be available to the public without restriction. Requests for confidential treatment of other information shall be governed by procedures specified in 40 CFR Part 2. Should a discharge permit be required for your facility, the information in this questionnaire will be used to develop the permit.

SEC	TION A - GENERAL INFORMATION
1.	Company Name: <u>Cardinal Glennan Childrens Hospital</u>
2.	Mailing Address: 1465 5 Frand Block
	St. Loruis MO Zip Code: 63/04-1095
3.	Premise Address: 14655 Grand & 1505 South Grand
	St Louis MO Zip Code: 63/04-1095
4.	Person Authorized to Sign Reporting Documents: Name and Title: Burd Frederich Faculitus Manager.
	Tel. No.: (3川) 577-5327
5.	Check One: A Existing Discharge
	[] Proposed Discharge If proposed, indicate discharge start date:
6.	Shift Information:
	a. Number of shifts per work day: 3 and work days per week: 7
	b. Average number of employees per shift: 1st 600 2nd 400 3rd 350 Total: 1350
	c. Shift start times: 1st <u>0800</u> 2nd <u>1600</u> 3rd <u>21/00</u>
SEC	TION B - PRODUCT OR SERVICE INFORMATION Briefly describe the primary manufacturing or service activities at the premise address and list the applicable SIC
	number for each activity:
	PRIMARY ACTIVITY SIC NUMBER
	a Hearth lare Hospital EEC : 1 2004 8062
	b
	c
	d
7/00	Page 1

	e primary activities generally batch or continuous	us proces:	ses?	[] batch [] continuous				
LJ Pas				•				
	ncipal raw materials used:							
Pri	ncipal products produced:	,,	***************************************		P-1-1			
Ch	Check all activities which are conducted at your premise in addition to the primary activities described in B.1 above.							
Ind	licate the SIC number, if known. Do not check	activities	which	are already included in B.1.				
	ACTIVITY	SIC NO.		ACTIVITY	SIC			
п	Adhesive and Sealants Mfg.		0	Mineral Mining and Processing	-			
-	Aluminum Forming		0	Nonferrous Metals Forming				
	Asbestos Mfg.		. 0	Nonferrous Metals Mfg.	**************************************			
_	Battery Mfg.		0	Organic Chem., Plastics & Synthetic Fibers Mfg.	-			
	Builder's Paper and Roofing Felt Mfg.		0	Paint Formulating	-			
-	Carbon Black Mfg.		0	Painting, Finishing or Paint Stripping				
	Cement Mfg.		. 0	Parts Washing				
-	Coil Coating		0	Paving and Roofing Materials				
-	Copper Forming		Ō	Pesticide Chem. Mfg., Formulating, Packaging	***************************************			
U N	Dairy Products Processing		. <u> </u>	Petroleum Refining				
n	Drum Reconditioning		ā	Pharmaceutical Mfg.				
n	Electrical and Electronic Components		Ō	Phosphate Mfg.	***************************************			
-	Electroplating	***************************************		_Photographic Processing				
_	Explosive Mfg.	acconnected W/	Ĩ	Plastic Molding and Forming				
0	Feedlots	***************************************		Porcelain Enameling	***************************************			
0	Ferroalloy Mfg.	general control of the second	. 0		manusia Para			
0 11	Fertilizer Mfg.		Ō	m 1 m - 1 m - 1 m - 1 M/m				
-	Food Preparation		. ō					
70	Fruit and Vegetable Processing			R & D Laboratory				
"L	General Offices	**************************************	ñ	Radioactive Materials Processing				
/ *	Glass Mfg.		_ 0		***********			
ч	Grain Milling							
Ц	Gum and Wood Chemical Mfg.		Ō	A () () () () () () () () () (***************************************			
0	Hazardous Waste Treatment, Storage or Disposa	<u></u>	_	m 1 m 1 1 8 ff				
0	Health Care or Hospital		_ 0	and the second s	manadas			
0	Industrial Laundry		. 0	at the Day of Consention	***************************************			
_	Ink Formulating			Sugar Processing				
0	Inorganic Chemicals Mfg.	***************************************	_ 0					
0	Iron and Steel Mfg.		Ī	Timber Products Mfg.				
U	Leather Tanning and Finishing	CAN PROGRAMMA CONTRACTOR CONTRACT	_	Transportation Equipment Cleaning				
0	Machine Shop		. 0	m				
0	Machiner Shop Machinery Mfg. or Rebuilding		- 0	the teacher of the second				
Ш	Meat Processing	mananahi.						
U	Metal Finishing	CONSTRUCTION OF THE PARTY OF TH	_ 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
n	Metal Molding and Casting			Maeta Pacyclina				
0	Metal Molding and Dasting		_ 0	Others (Describe) DEC 2 1 2	<u>.U</u> u4_			
			-	والمستعددة والمرازي المرازي ال	سسم <u>شن</u> د د آمریون			
_	$\sim 60 Mc 20 Mc$							
Α								
lf	If "Yes," explain and indicate the month(s) of peak activity:							

		Premi	any Name: _ se Address: nt Number:	1401 1 Con	aylor hides: He
SEC	CTION C - WATER CONSUMPTION AND WASTEWAT	ER DIS	CHARGES		
1.	Raw Water Source(s): St. Louis County Water County Wat	o. 		Surface water Private well Other (describe)	
2.	Water Bill Addressee: SSm Cardinal	Lles	mon Cl	ulatierns	Hospitul
3.	Water Service Account Numbers:				
4.	List past twelve months water usage from: 1st 3 mo period O Mo O Yr through O Y 2nd 3 mo period O Mo O Yr through O 7 3rd 3 mo period O Mo O Yr through O O Mo O O O O O O O O O O O O O O O O	Mo Mo Mo	<u>04</u> Yr <u>04</u> Yr <u>04</u> Yr	[] Water Bills 10076 Ccf 1165 Ccf 10294 Ccf 12195 Ccf	CcfCcf
5.	Describe any treatment or conditioning process perform	med on	the raw water t	pefore use: <u>//V/</u>	
6.	Identify all water uses within your facility:	7.	Identify all wa	ter losses and wast ility:	
	Water Uses Estimated Average Daily Use (Gallons per day)		Water Los	ses & Discharges	Estimated Average Daily Loss/Discharge (Gallons per Day)
	a. Sanitary b. Irrigation & lawn watering c. Non-contact cooling water d. Contact cooling water e. Process water f. Plant & equipment washdown g. Boiler		a. Municipal sb. Watercoursc. Haulersd. Evaporatione. Contained in	e, storm drain, ground	81,446 11,874 9,776
	h. Other uses Hospital Losto 36, 1) 5 i. Total of USES (6a through 6h): 103 196			SSES & DISCHARGE must equal total at 6i	
8.	For each activity you listed in Sections B.1 and B.5, list Attach additional sheets, if needed.		erage water usa	7	stewater discharge.
	Item Type of Disc No. Activity Cont Batch	harge None	Avg. Water Use (GPD)	Avg. Discharge to Mun Sewer (GPD)	Date when activity first commenced at this facility
	Scenttery 0 10 10 Scent erregetien 0 0 10 10 10 10 10 10 10 10 10 10 10 10	0 0 0	38,000 11,874 36,115 17,107	38,000 36,115 7,771	DEC 2 1 2004
7/00	F	Page 3			· Downstall

.*	Company Name: I Quinal Maria Million Now. Premise Address: You book Now Account Number: YII I I V OC
SEC	TION D - SEWER CONNECTION INFORMATION
1.	Attach a scale drawing of your premise, which shows: a. All buildings, structures, alleys, streets and other pertinent features. b. All sewers and drains, including all connections, inlets, manholes, vents and other access or control structures. Identify each sewer as sanitary, storm or combined and indicate its size. c. A sampling point for each connection to the public sewer. d. A sampling point for each discharge from a federally regulated categorical process. e. A sampling point for each discharge to a separate storm sewer or watercourse.
2.	List each sampling point identified in 1.c, d and e above <u>and</u> each connection for which there is no sampling point. Assign a sequential reference number to each location, starting with No. 1. Attach additional sheets, if needed.
landonamental	Reference Number (inches) Description of sewer sampling point or connection (Vent, manhole, valve, tank or other appurtenance. Indicate size and location) MH On aircleword Software Flow SE
	m + 3 w from Sw corner emergency Bld.) 600
SEC	TION E - WASTEWATER INFORMATION
1.	For each point listed in D.2 above, list the wastewater discharge corresponding to each water usage listed in Section C.6. Attach additional sheets, if needed. Discharge Quantity (GPD) for each sampling point or connection listed in D.2 Facility Total (See instr.)
2.	NPDES Permit Number NPDES Permit Number
 4. 	Do any of the above sampling points also convey stormwater from your premise? Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No [] Yes [] No Do you pretreat any of the wastes discharged through any of the above points? Yes [] No [] Yes [] Yes [] No [] Yes [] No [] Yes [] Yes [] No [] Yes [] Yes [] Yes [] No [] Yes
7/00	The Control of the Co
1700	rage 4

Company Name:	Carling	Chivion	Millian	Nobolita
Premise Address: Account Number:	4/12/19	Drave	014	

SECTION E - WASTEWATER INFORMATION (Continued)

5.	Describe the type of wastewater pretreatment	it you employ prior to	each point for which you	marked "Yes"	in E.	4:
----	--	------------------------	--------------------------	--------------	-------	----

Point No.	Pretreatment System Descript	tion
001	Silver recovery resid.	
***		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
004	Silver recovery unit	
		a verte variable var
		As produce a stage
		9.47.4.7.4

- Does your facility have:
 - a. A spill control plan?

drawings, etc. as necessary.

- χ≰ Yes [] No
- c. A solvent management plan? Y Yes [] No d. A slug discharge control plan? [] Yes No

- b. A waste minimization plan? Yes Yes ∏ No
- If any wastewater analyses have been performed on the wastewater discharges from your facility attach copies of the most recent data. Be sure to specify the locations from which the samples were collected. Attach sketches, plans,
- Priority Pollutant Information: Check one of the four boxes by each listed chemical to indicate whether it is: "Suspected Absent," "Known Absent," "Suspected Present" or "Known Present" ON YOUR PREMISE. Any chemical which is used in your manufacturing or service activity or is generated as a product or as a by-product

should be marked "Known Present." Some pollutants are known by other names. Refer to the instruction booklet for those pollutants which have an asterisk (*). SP = "Suspected Present" KP = "Known Present" SA = "Suspected Absent" KA = "Known Absent"

5	SA = "Suspected Absent"	KA =	"Kno	wn Al	osent"		SP =	"Suspected Present"	KP = "Knowr	1 11056	> 1111	
Iten			SA	KA	SP	KP	Item No.	PRIORITY POLLUTANT	SA	KΑ	SP	KF
No	. PRIORITY POLLUTANT		OM.	<u> </u>	Jr_	INF:	1 140.	PRIORITTOLLOTAN	<u> </u>			
1.	asbestos (fibrous)	• • • • • • • • • • • • • • • • • • • •	[]		[]	D.	36.	Reserved				_
2.	cyanide (total)			H	[]	0	37.	bis (2-ethylhexyl) phthalate		()	[]	[
3.	antimony (total)			ň	Ü	0	38.	bromodichloromethane *	[]	1	()	[
4.	arsenic (total)			ä	ä	Ö	39.	bromoform *	[]	À	0	
5.	beryllium (total)			<u>.</u>	õ	Ö	40.	bromomethane *	[]	NA.	8	
6.	cadmium (total)			ñ	ñ	ñ	41.	4-bromophenylphenyl ether	[]	₽.	0	
7.	chromium (total)		7.7	ñ	ñ	Õ	42.	butylbenzyl phthalate			0	
8.	copper (total)				ŏ	Ö	43.	carbon tetrachiroride *			0	
9.	lead (total)			ñ	ň	ă	44.	chlordane		Ö	Ö	
Ō.	mercury (total)			ពី	ñ	Ö	45.	4-chloro-3-methylphenol *		Ð	Ö	
1.	nickel (total)			Ä	ñ	ö	46.	chlorobenzene		ħ	Ü	
2.	selenium (total)			-	ří	ñ	47.	chloroethane *	0	Ò	[]	
3.	silver (total)			7	ři	ň	48.	2-chloroethylvinyl ether	П	b	ri	
J. 4.	thallium (total)			1	ñ	й	49.	chloroform *		ā	ñ	
۶. 5.	zinc (total)			7	ő	ň	50.	chloromethane *		ī	ñ	
). 3.	acenaphthene			1	n	H	51.	2-chloronaphthalene		ħ	Ĭ	
3. 7.	acenaphthylene			ħ	H	H	52.	2-chlorophenol *		Į.	ñ	
3.	acrolein			K	ñ	n	53.	4-chlorophenylphenyl ether		F	ñ	
э. Э.				Æ	n	LI LI	54.	chrysene *		ň	ă	
	acrylonitrile			(%	ij	u	55.	4, 4'-DDD *		ĭ	ñ	
).	aldrin			W		LI CI	56.	4, 4'-DDE *		ä	Ö	
١.	anthracene		IJ	¥	Ü	D	57.	4, 4'-DDT *		Ä	ñ	
2.	benzene		H	R	Ω	Ö	58.	dibenzo (a,h) anthracene *	[]	H.	n	
3.	benzidine			Н	Ũ	Ö		dibromochloromethane		2	n	
ŀ.	benzo (a) anthracene *			Ħ	Ö	Ü	59.		•••	7	Й	
Ď,	benzo (a) pyrene		[]	W	Ω	[]	60.	1, 2-dichlorobenzene *		9		
3.	benzo (b) fluoranthene			1	· []	[]	61.	1, 3-dichlorobenzene *		9	[]	
7.	benzo (g,h,i) perylene *			Ų	<u>U</u>	Ω	62.	1, 4-dichlorobenzene *		¥	[]	
3.	benzo (k) fluoranthene *		0	Đ	Ω	0	63.	3, 3'-dichlorobenzidine	., 11		[]	
₹.	alpha-BHC			Ŋ	D	[]	64.	Reserved		**		
Э.	beta-BHC			p	[]	[]	65.	1, 1-dichloroethane *		Ł	IJ	
١,	delta-BHC			Ŋ	[]	[]	66.	1, 2-dichloroethane *			Ũ	
2.	gamma-BHC *		. []	ď	- []	[]	67.	1, 1-dichloroethene *		П	0	
3.	bis (2-chloroethyl) ether *			Ą	Ö	Ü	68.	trans-1, 2-dichloroethene *	[]	41	0	
4.	bis (2-chloroethoxy) methane *			Ā	ii	ũ	69.	2, 4-dichlorophenol	[]	ď	0	
5.	bis (2-chlorolsopropyl) ether *			M)	Ĭ	ñ	70.	1, 2-dichloropropane *	<u>[</u>]		0	
	=== (= ±::::::::::::::::::::::::::::::::		F-1	41		1.2	1		on next page	Ц		

Company Name:	Mi Cardin	6 Space	Willem	is Aax
Premise Address	2 1 (1) (2) (2)	fran B	(ku)	/
Account Number:	-4/12-13	y oc		

SECTION E - WASTEWATER INFORMATION (Continued)

Priority Pollutant Information (Continued)

	SA = "Suspected Absent" KA = "K	nowr	n Abse	nt"		SP = '	'Suspected Present"	KP = "Known	Pres	ent"	
Iten	and a second company of the second se	SA	KA	SP	KP	Item No.	PRIORITY POLLUTAN	T SA	KA	SP	KP
71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 92. 93. 94. 95. 96. 97.	(cis & trans) 1, 3-dichloropropene * dieldrin diethylphthalate * 2, 4-dimethylphenol * dimethyl phthalate di-n-butyl phthalate di-n-octyl phthalate * 4, 6-dinitro-2-methylphenol * 2, 4-dinitrotoluene 2, 6-dinitrotoluene 2, 6-dinitrotoluene 1, 2-diphenylhydrazine * endosulfan I * endosulfan I * endosulfan I sendosulfan I sendosulfan Sulfate endrin endrin aldehyde ethylbenzene fluoranthene fluorene * heptachlor heptachlor hexachlorobenzene * hexachlorobenzene * hexachlorocyclopentadiene * hexachlorocyclopentadiene * hexachlorocyclopentadiene * hexachlorocethane * indeno (1, 2, 3-cd) pyrene * isophorone * methylene chloride * methylene chloride *		女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女女	000000000000000000000000000000000000000		101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128.	naphthalene nitrobenzene 2-nitrophenol 4-nitrophenol 4-nitrosodimethylamine * N-nitrosodimethylamine * N-nitrosodiphenylamine PCB-1016 * PCB-1221 * PCB-1232 * PCB-1242 * PCB-1248 * PCB-1254 * PCB-1254 * PCB-1260 * pentachlorophenol phenol phenol phenol pyrene 2, 3, 7, 8-tetrachlorodibenzo 1, 1, 2, 2-tetrachloroethane * tetrachloroethene * toxaphene 1, 2, 4-trichlorobenzene 1, 1, 1-trichloroethane * 1, 1, 2-trichloroethane * 1, 2, 4-trichloroethane * 1, 1, 4-trichloroethane * 1, 2, 4-trichloroethane * 1, 1,	-p-dioxin*			

For priority pollutants in E.8, which are indicated "Known Present," list and provide the following information for each: (Attach additional sheets, if needed.)

ITEM No.	PRIORITY POLLUTANT	HOW USED	ANNUAL USAGE (lbs)	LOSS TO SEWER (lbs)
10 13 49 29	mercury silver Chlorotherm 2 is Din Tropheral		Unkson 30,0 0.1	0.0
39	medly leve Chloud		5.0 30.0	0.0
	1.+ an sith was find with		Miaki,	NWL

Company Name:	M. Carlina Blanon I	1 Horas Mas
Premise Address	141. T. ROAND PIND	/
Account Number:	4/15/1978-00	***************************************

SECTION F - NON-SEWERED WASTES

Do you generate any liquid wastes or sludges which are not disposed in the sewer system? // Yes If "Yes" complete items 2 and 3 below. Note: Be sure to include wastewaters listed in Section C.7.c. If "No" skip remainder of this section.

2. Information on non-sewered waste:

Type of Waste	Estimated Quantity Disposed/yr	Units	Store On-site	Dispose On-site	Dispose Off-site
[] Acids and/or Alkalies		-	0	0	0
Equipment Oils and/or Grease	<u> 30 </u>	appli	>₫-	0	4
₽ Infectious Waste	5,700	ککتار	Ж.	0	سسلا
[] Inks/ Dyes		***************************************	0	0	0
[] Kitchen/Food Service Grease			0	C	0
Organic Compounds	***************************************		0	0	0
Paints or Paint Sludges	*g69999900000000000000000000000000000000		0	0	0
Pesticides		***************************************	D	0	0
Pretreatment Sludges		-	0	0	0
□ Radioactive Waste			0	0	0
Solvents/Thinners		-	0	0	0
[] Other			0	0	0
		***************************************	0	0	
11.000		±-14-500000000000000000000000000000000000	0	D	0

List your USEPA and/or MDNR Hazardous Waste generator numbers: USEPA WOD 0759 04839 MDNF

001310 MDNR

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SECTION G - INDUSTRIAL WASTE SURCHARGE INFORMATION

Provide the following analytical information for each sampling point or each connection to the public sewer only if your water usage exceeds 80 Ccf per month. Representative samples of the wastewater in each sewer must be collected and analyzed for the listed parameters. Report the daily average concentrations in mg/l for each point.

Parameter	Sewer Reference Numbers (Refer to Section D.2) If more than 5, attach additional sheets									
	1	2	3	4	5					
Total Solids	@pacagenopospospospospospospospospospospospospos		nobolino de Caracteria de Cara							
Total Suspended Solids										
Biochemical Oxygen Demand (5 day)	40	00000000000000000000000000000000000000	W07977							
Chemical Oxygen Demand		CONTROL OF THE PROPERTY OF THE	annonnannannannyvee	NAMES						
Flow (GPD)	gazaggynganynnynnun santakasiddii (1888)	-								
Date Sampled			-	y-p						
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Analyzed By (Name of organization):	skintennennennen oppretter er ein blikkelik er de stennennennen		***************************************		and the second s					

last granter permit

Page 7

*	Premise Address: Account Number:	things hap
SEC	SECTION H - CERTIFICATION AND SIGNATURE	
1.	1. The following individual may be contacted regarding the information contained in this questionnaire:	
	Name and Title of Contact person: Bud Frederich Facilities manager	
	Farilities manager. Tel. No.: (3)1/5	<u> 27-5327</u>
2.	2. "I certify under penalty of Law that this document and all attachments were prepared under my direct in accordance with a system designed to assure that qualified personnel properly gather and evaluate submitted. Based on my inquiry of the person or persons who manage the system, or those responsible for gathering the information, the information submitted is, to the best of my knowledge accurate, and complete. I am aware that there are significant penalties for submitting false inform possibility of fine and imprisonment for knowing violations."	se persons directly ge and belief, true,
	Name and Title of Signing Official: Buel Frederick	
	ΔL_{0} $M = \frac{1}{2} = \frac{1}{2} \frac{1}$	<u>·77-5337</u>
	Signature: Buch Frederich Date: 12/20	104
ν.		
List	List attachments included with this questionnaire:	
		Management Management
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		gy
		*
7/0	7/00 Page 8	
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MSD 036476



Metropolitan St. Louis Sewer District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

March 8, 2005

Bud Frederich
Facilities Manager
SSM CARDINAL GLENNON CHILDREN'S HOSPITAL
1465 S. Grand Boulevard
St. Louis, MO 63104

RE: Discharge Permit No: 41121954-00

For premise at: 1465 S. Grand Boulevard

Dear Mr. Frederich:

We have completed our review of your application for renewal of the Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit for the premise identified above. The current permit expires on April 30, 2005. Enclosed is a draft copy of the proposed permit renewal.

Except as noted in this paragraph, the terms and conditions of this draft permit renewal are substantially the same as in the current permit. Section I of the permit conditions has been reorganized and includes additional clarifying language but does not contain any new requirements. Other minor changes may have been made to improve the overall clarity of the document

This draft has been prepared pursuant to the federal pretreatment regulations in 40 CFR 403 as amended October 3, 2001 and is based on information that you supplied in the District's Industrial User Questionnaire, on results from previous wastewater samplings and inspections and on requirements contained in existing MSD ordinances and state and federal regulations.

Please review this draft copy carefully. If you disagree with any of the terms or conditions of the proposed permit please inform us, in writing, within 15 working days of receipt. Absence of a response within this time frame will be deemed as acceptance of the draft permit and we will proceed to issue the final permit.

If you have any questions, please contact me at 436-8756.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski ` Assistant Engineer

Enclosure

cc: Permit file

METROPOLITAN ST. LOUIS SEWER DISTRICT DEPARTMENT OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 41121954-00

EFFECTIVE DATE:

May 01, 2005

EXPIRATION DATE: April 30, 2010

ARDINAL GLENNON CHILDREN'S HOSPITAL **ISSUED**

DUTH GRAND BOULEVARD

UIS, MO 63104

as): 8069 SIC NUMBER

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: TWO

SAMPLING PT. REF NUMBER(S): 001, 004

In accordance with the provisions for Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 84°2, the ermittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitar or conhined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject t, for each violation. Each day in which any such to fine or imprisonment, or both such fine and imprisonn violation shall continue shall be deemed a separate offens

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does n apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer Douglas M. Mendoza, P.E. Industrial Waste Engineer

1

Page No.:

_____2

Effective Date:

May 01, 2005

41121954-00

DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION: MH on sidewalk S of Vista Ave., E of overhead walkway, Flow from SE

AVERACE WASTEWATER FLOW (GPD): 74,445

WASTEV ATER STRCE AND CATEGORY: Hospital Waste + Sanitary + NCCW + Boiler Blowdown + Cooling Tower Blog Lown

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	***
Biochemical Oxygen Demand (2012) [12]	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	***	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	▲ 5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Silver (Total) [mg/L]	.5	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.52	Instant	Once/year

^{*} Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.

^{**} See Section I.A.2 of the permit conditions.

^{***} Report a measured or estimated average daily flow for at least one representative operatin day per quarter. If additional flow measurements or estimates are made, all must be reported.

^{****} See Section I.A.11 of the permit conditions.

Page No.: Effective Date:

41121954-00

3

May 01, 2005

DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 00

SAMPLING POINT LOCATION: MH 3' W from SW corner of emergency building

AVERAC WAS WATER FLOW (GPD): 7,000

WASTEV ATER S JRCE AND CATEGORY: Hospital Waste + Sanitary

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	***
Biochemical Oxygen Demand (**) 2y) g/L]	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	***	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	▲ 5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Silver (Total) [mg/L]	.5	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.52	Instant	Once/year

- * Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.
- ** See Section I.A.2 of the permit conditions.
- *** Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- **** See Section I.A.11 of the permit conditions.

41121954-00

Page No.: Effective Date:

May 01, 2005

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

- 1. It is the fective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified impling fints. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-sonitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
 - 2. The limitation types, which may be specified in this permit, are defined as follows:

An INSTANT limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and the perature. For pH, the INSTANT limitations are the minimum and maximum allowable instantation is the maximum allowable instantation is the maximum allowable instantation in the maximum allowable instantation is the maximum allowable instantation in the maximum allowable instantation is the maximum allowable instantation in the maximum allowable instantation is the maximum allowable instantation in the maximum allowable instantation is the maximum allowable instantation in the maximum allowable in

A DAILY AVG limitation is a semax, sum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A DAILY MAX limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum alloy able average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A 4-DAY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive <u>sampling</u> days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

T

41121954-00 Permit No .: Page No.: Effective Date:

Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:

Temperature, pH and chlorine residual measurements, when required, shall be made on-site at the points of discharge and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.

For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall

ab Samples.

other pollutants, samples shall be COMPOSITE SAMPLES made up by combining a four individual grab samples within a 24-hour period. The individual grabs must be nimum' low or time proportioned to ensure a composite sample that is representative of that day's equately

When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by

summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

applicable toxic organics are all of those, from the list in 40 CFR 401.15, For all other discharges

which are or may be preent in the discharge.

In addition to reporting the summer. TO result, the permittee shall include, with the self-monitoring report, the rganic analyzed. analytical value obtained for each loxi

- Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- onitoring and reporting requirements of this permit All sampling and analyses performed to satisfy th d in 40 CFR 136 and amendments thereto unless 6. shall be performed in accordance with the techniques prescri eeme arameters. other techniques are prescribed, within this permit, for s
- If the permittee employs continuous monitoring techniques for pH and/or temperature at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-C of District Ordinance 8472. The permittee shall include, with each self-monitoring report, a summary of the continuous temperature and/or pH monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elaps time for each excursion, the total time for all excursions for temperature and the total time for all excursions for H.
- If the permittee monitors any of the listed pollutants, using the method specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- A self-monitoring report (on forms supplied by the District) shall be submitted to the District's Department of Environmental Compliance for each calendar quarter. Each report shall include:
 - All facility and sample description information required on the District's reportir a.
 - Analytical results, with dates and times, for all analyzed samples collected within he quarter. b.
 - Daily flows, with dates, for all measurements or estimates made within the quart c.

<u>41121954-00</u>

Page No.:

6 May 01, 2005

Effective Date:

Any certification statements required pursuant to the Special Conditions in Section II.

e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 8472. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

The report must be postmarked no later than:

Lanuary 1 through March 31	April 28
Ap. 1 through June 30	July 28
July through September 30	October 28
October 1 through December 31	January 28

A report nest be so mitted for each calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The first report, under the terms of this permit, is due by July 28, 2005.

- 10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Department of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resample g when in thirty (30) days of becoming aware of the violation.
- Oxygen Demand (COD) and Total Sustanded Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported to be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

B. CHANGE IN DISCHARGE:

d.

- 1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- 2. The permittee shall notify the District's Department of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.

Permit No.: 41121954-00
Page No.: 7

Effective Date: May 01, 2005

3. As defined in Article II of District Ordinance 8472, significant new or increased discharge means:

- a. Any discharge from a new process or facility or a new source.
- b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
- c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
- Any addition of a hazardous waste subject to, but not previously reported under the reporting puirement in Article VIII, Section Nine of District Ordinance 8472.
- Any crease in mass of an existing regulated pollutant when the new long term average daily mass scharge of that pollutant will exceed the previous long term average by 20% or more.
- 1. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 8472.
- g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuo bas

C. PROBLEM DISCHARGE:

- 1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause colation of any State or Federal water quality standard.
- 2. In the event of any problem discharge into the Di trice system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide sych immediate as may be required at that time in order to assess the impact of the incident on the District's system or a water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Department of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

<u>41121954-00</u>

Page No.: Effective Date:

May 01, 2005

D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;

There are no feasible alternatives to the bypass; and

In he event of an anticipated bypass, advance notice is provided to the District's Department of ivironmental Compliance.

E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

a. A violation of an erm condition of this permit.

b. A misrepresentation or flure to fully disclose all relevant facts in obtaining this permit.

F. PERMIT TERMINATION MON JUGATION

1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.

2. Whenever any discharge covered by this permit is perminently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance between ticle VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Department of Environmental Compliance.

G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eig y (180) days prior to the expiration date contained herein.

H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 8472 until the District issues a new permit of denies the application.

<u>41121954-00</u>

Page No.: Effective Date:

9 May 01, 2005

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain a diprestrye, for not less than three (3) years, all records, books, documents, memoranda, reports, sample and statesults, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical and uses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 8472.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 8472.

M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed

Metropolitan St. Louis Sewer District Department of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the Distresis dispatcher at (314) 768-6260.

41121954-00

Page No.:

Effective Date:

10 May 01, 2005

3. During normal business hours, notifications may be made by calling the District's Department of Environmental Compliance at (314) 436-8710.

SECTION II SPECIAL CONDITIONS:

These Spe al Cond cons may supplement and/or amend the standard terms of this permit or the General Conditions in Section Where ere is any perceived conflict between a Special Condition and either the standard permit terms or the Ger ral Corditions of Section I, the Special Condition shall govern.

A. Special Certification and Reporting Requirements:

1. Permittee is authorized to discharge not more than 1.2 millicuries of radioactive material per year to the District's sanitary sewers. Such later is must be soluble, or dispersible if biological material, in water. This authorized level may be modified than any one should the District determine that permittee's discharge of radioactive materials, in conjunction with other are's discharges of radioactive materials, causes the aggregate of all radioactive materials entering the District's treatment plant to exceed one (1) curie per year or causes interference as defined in MSD Ordinance 8472.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee hall also certify compliance with state and federal regulations for disposal of radioactive material by release in sanitary sewage.

B. Special Billing Reporting Requirements:

1. Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on **seventy-nine** (79) **percent** of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Department of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

THIS IS THE LAST PAGE OF THIS PERIOT



Metropolitan St. Louis Sever District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

June 30, 2004

Bud Fredrick
Maintenance Supervisor
SSM CARDINAL GLENNON CHILDREN'S HOSPITAL
1465 S. Grand Boulevard
St. Louis, MO 63104

RE:

INDUSTRIAL USER QUESTIONNAIRE

Discharge Permit No: 41121954-00

For premise at:

1465 S. Grand Boulevard

Dear Mr. Fredrick:

The Metropolitan St. Louis Sewer District Wastewater Discharge permit for the above premise expires on May 1, 2005. Under the terms of the permit, you are requested to apply for renewal at least 180 days prior to the expiration date.

Enclosed is an Industrial User Questionnaire along with detailed instructions to assist you in supplying the required information. This questionnaire serves as your permit application. We request that you return the original and yellow copy to the District by November 22, 2004.

After a review, of the completed questionnaire and our existing data, we will prepare a draft permit and send it to you for comment.

Thank you for your cooperation. If you have any question or any specific problem providing the requested information please contact me at 436-8756.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

Enclosures

pc: Suspense file

cc: Doug Mendoza Dave Kupke Permit file



Metropolita St. Louis S District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

March 17, 2004

Bud Frederich Facilities Manager SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104-1095

RE: Discharge Permit No: 41121954-00

For premise at: 1465 S. Grand Boulevard

Dear Mr. Frederich:

Your Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit issued on May 1, 2000, for the premise identified above, is hereby modified pursuant to the attached pages 1 and 3A. This modification adds new sampling point 004. This letter and the revised pages 1 and 3A should be affixed to your permit as your official record and become a part thereof. This change was identified pursuant to the District's January 15, 2004 facility inspection of the above premise.

This modification does not affect any monitoring or analysis of your discharge that may be necessary to comply with other requirements of your permit and does not in any way relieve you of your obligations to achieve the discharge limitations as provided in the permit.

Please contact us if you have any questions.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski

Assistant Engineer

Douglas M. Mendoza

Industrial Waste Engineer

cc: Permit file

METROPOLITAN ST. LOUIS SEWER DISTRICT DEPARTMENT OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 41121954-00

EFFECTIVE DATE:

May 01, 2000

MODIFICATION DATE: March 29, 2004

EXPIRATION DATE:

April 30, 2005

ISSUED TO: SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 S. GRAND BOULEVARD

ST. LOUIS, MO 63104

SIC NUMBER(S): 8069

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: TWO

SAMPLING PT. REF NUMBER(S): 001, 004

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 8472, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski

Assistant Engineer

Douglas M. Mendoza P.E.

Industrial Waste Engineer

Permit No.:
Page No.:
Effective Date:

41121954-00

March 29, 2004

DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 00

SAMPLING POINT LOCATION: MH 3' W from SW corner of emergency building

AVERAGE WASTEWATER FLOW (GPD): 7,000

WASTEWATER SOURCE AND CATEGORY: Hospital Waste + Sanitary

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	***
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	****	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Silver (Total) [mg/L]	.5	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.52	Instant	Once/year

^{*} Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.

^{**} See Section I.A.2 of the permit conditions.

^{***} Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

^{****} See Section I.A.11 of the permit conditions.



Metropolita St. Louis Sewer District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753 April

April 11, 2003

Bud Frederich Maintenance Supervisor SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104

RE: NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at: 1465 S. Grand Boulevard

Dear Mr. Frederich:

We have reviewed the first quarter 2003 self-monitoring report you recently submitted to the District under the terms of the above referenced permit. The following violations of permit limitations, terms or conditions were identified:

VIOLATIONS OF PERMIT TERMS/CONDITIONS:

A review of previously submitted self-monitoring reports identified that TTO has not been monitored and reported at sampling point 001 since January 17, 2002. The permit requires that TTO be reported once per year for sampling point 001. The TTO is to include analyses for all "applicable toxic organics". The "applicable toxic organics" are those which are or may be present in your discharge. Generally these will be the toxic organics which were denoted as being suspected or known present on the permit application completed by SSM Cardinal Glennon Children's Hospital, plus any which may have been added since the date of the application. The "applicable toxic organic" compounds identified on the October 29, 1999 application by SSM Cardinal Glennon Children's Hospital are Phenol, Methylene Chloride, Chloroform, and 2,4-Dinitrophenol which, were denoted as being known present on your premise.

REQUIRED ACTION/RESPONSE:

Submit a report of corrective actions, which you have initiated, to ensure that the sampling, analytical, and reporting requirements will be met in future reporting quarters. Please submit your corrective action response by May 12, 2003. Additionally, we ask that you monitor sampling point 001 for TTO during second quarter 2003.

Please note that the TTO analysis need only include the compounds indicated as known present on the aforementioned October 29, 1999 permit application. However, if the aforementioned compounds have been removed from your premise, please provide supporting documentation to the District. Sampling and reporting for TTO at sampling point 001 will not be required if these compounds have been removed from your premise.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

If you have any questions, please contact me at 436-8756.

S SEWER DISTRICT

The way

Bincerely

Fabian T. Grabski Assistant Engineer

pc: Suspense file

cc: Douglas Mendoza

Permit file



Metropolitan St. Louis Ser District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

March 8, 2002

Kevin R. Julius
Facilities Compliance Manager
SSM CARDINAL GLENNON CHILDREN'S HOSPITAL
1465 S. Grand Boulevard
St. Louis, MO 63104

RE: Discharge Permit No: 41121954-00

For premise at: 1465 S. Grand Boulevard

Dear Mr. Julius:

Your Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit issued on May 1, 2000, for the premise identified above, is hereby modified as per the attached page one. This modification reflects the permittee's name change. This letter and revised page one should be affixed to your permit as your official record and become a part thereof. This change was identified pursuant to our February 22, 2002 telephone conversation.

This modification does not affect any monitoring or analysis of your discharge that may be necessary to comply with other requirements of your permit and does not in any way relieve you of your obligations to achieve the discharge limitations as provided in the permit.

Please contact us if you have any questions.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski

Assistant Engineer

Douglas/M. Mendoza, P.B. Industrial Waste Engineer

MSD 036493

METROPOLITAN ST. LOUIS SEWER DISTRICT DEPARTMENT OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 41121954-00

EFFECTIVE DATE:

May 01, 2000

MODIFICATION DATE: March 14, 2002 **EXPIRATION DATE:**

April 30, 2005

ISSUED TO: SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 S. GRAND BOULEVARD

ST. LOUIS, MO 63104

SIC NUMBER(S): 8069

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: ONE

SAMPLING PT. REF NUMBER(S): 001

SERPUIDTO 3/21/24 FG

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 8472, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Głabski

Assistant Engineer

Douglas M. Mendoza, P.E.

Industrial Waste Engineer



Metropolitan St. Louis Sewer District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

September 19, 2001

Kevin R. Julius Facilities Compliance Manager CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104

RE: Discharge Permit No: 41121954-00

For premise at: 1465 S. Grand Boulevard

Dear Mr. Julius:

Your Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit issued on May 1, 2000, for the premise identified above, is hereby modified as per the attached pages 1, 3, and 9. This modification removes sampling point 003 and eliminates two related special conditions. These changes were identified pursuant to the District's September 17, 2001 site visit which, identified that the building at 1505 S. Grand Boulevard has been razed.

This modification does not affect any monitoring or analysis of your discharge that may be necessary to comply with other requirements of your permit and does not in any way relieve you of your obligations to achieve the discharge limitations as provided in the permit.

Please contact us if you have any questions.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski

Assistant Engineer

Douglas M/Mendoza, P.E.

Industrial Waste Engineer

METROPOLITAN ST. LOUIS SEWER DISTRICT DEPARTMENT OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT\NO: 41121954-00

EFFECTIVE DATE:

May 01, 2000

MODIFICATION DATE: September 24, 2001

EXPIRATION DATE:

April 30, 2005

ISSUED TO: CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 GRAND BOULEVARD

ST. L**Ò**UIS, MO 63104

SIC NUMBER(S): 8069

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: ONE

SAMPLING PT. REF NUMBER(S): 001

SEE PG 1 OTD 3/4/

In accordance with the provisions of the Pederal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 8472, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski

Assistant Engineer

Douglas M. Mendoza, P Industrial Waste Engineer

1

Page No.:
Effective Date:

41121954-00

3

September 24, 2001

DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 003

SAMPLING POINT LOCATION: 6" vent 30' W, 20' S of NW corner of Bldg 1505 on Park Avenue

AVERAGE WASTEWATER FLOW (GPD): -1,790

WASTEWATER SOURCE AND CATEGORY Sanitary

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	***
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	Once/year
Chemical Oxygen Demand [mg/L]	***	Daily Avg	Once/year
Oil and Grease (Total) [mg/L]	200	Instant	Once/year
oH [SU]	11.5	Instant	Once/year
oH [SU]	5.5	Instant	Once/year
Cemperature [Deg C]	760 T	Instant	Once/year
otal Suspended Solids [mg/L]	****	Daily Avg	Once/year
Total Toxic Organics [mg/L]	5,52	Instant	Once/year

- * Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.
- ** See Section I.A.2 of the permit conditions.
- *** Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- **** See Section I.A.11 of the permit conditions.

41121954-00

Page No.:

9

Effective Date:

September 24, 2001

M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District Department of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

- 2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.
- 3. During normal business hours, notifications may be made by calling the District's Department of Environmental Compliance at (314) 436-8710.

SECTION II - SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

A. Special Certification and Reporting Requirements:

1. Permittee is authorized to discharge not more than 1.2 millicuries of radioactive material per year to the District's sanitary sewers. Such materials must be soluble, or dispersible if biological material, in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, in conjunction with other user's discharges of radioactive materials, causes the aggregate of all radioactive materials entering the District's treatment plant to exceed one (1) curie per year or causes interference as defined in MSD Ordinance 8472.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

B. Special Billing Reporting Requirements:

1. Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on **seventy-nine (79) percent** of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Department of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

THIS IS THE LAST PAGE OF THIS PERMIT



Metropolitan St. Louis Sev



Department of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

April 25, 2000

Kevin R. Julius
Facilities Compliance Manager
CARDINAL GLENNON CHILDREN'S HOSPITAL
1465 S. Grand Boulevard
St. Louis, MO 63104

RE: Discharge Permit No: 41121954-00

For premise at: 1465 S. Grand Boulevard

Dear Mr. Julius:

Enclosed is the Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit for the premise identified above. This permit is issued pursuant to the federal pretreatment regulations in 40 CFR 403 as amended October 25, 1995. This permit has been prepared based on information that you supplied in the District's Industrial User Questionnaire, on results from previous wastewater samplings and inspections and on requirements contained in existing MSD ordinances and state and federal regulations.

Except as noted in this paragraph, the terms and conditions of this permit are substantially the same as in the previous permit. Sampling point 002 has been replaced with new sampling point 003. Two special conditions have been added which authorize the use of grab samples in lieu of composite samples at sampling point 003 and identifies the current return factor associated with the above referenced account number. Additionally, Section I of the permit conditions has been reorganized and includes additional clarifying language but does not contain any new requirements. Other minor changes may have been made to improve the overall clarity of the document.

The previous permit, effective September 1, 1996, is voided as of the effective date of the enclosed permit.

Monitoring reports required by the conditions of this permit must be submitted quarterly for the life of the permit. The first report due date, for this reissued permit, is based on a complete calendar quarter monitoring period. The permittee remains responsible for reporting for the preceding calendar quarter under the previous permit. Copies of the necessary report forms are enclosed.

If you disagree with any of the terms or conditions of this permit please inform us, in writing, within 15 working days of receipt. Absence of a response within this time frame will be deemed acceptance, by you, of the provisions of this permit.

You may contact us at 436-8756 at any time if you have any question about your permit.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Pabian T. Grabski Assistant Engineer

Enclosures

METROPOLITAN ST. LOUIS SEWER DISTRICT DEPARTMENT OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 41121954-00

EFFECTIVE DATE:

May 01, 2000

EXPIRATION DATE: April 30, 2005

ISSUED TO: CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 & 1505 S. GRAND BLVD.

ST. LOUIS, MO 63104

SIC NUMBER(S): 8069

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: TWO

SAMPLING PT. REF NUMBER(S)\ 001, 003

SEE PC L DTD 9/24/01

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 8472, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Assistant Engineek

Manager of Environmental Compliance

Permit No.:
Page No.:
Effective Date:

41121954-00

2

May 01, 2000

DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER:

SAMPLING POINT LOCATION: MH on sidewalk S of Vista Ave., E of overhead walkway, Flow from SE

001

AVERAGE WASTEWATER FLOW (GPD): 62,376

WASTEWATER SOURCE AND CATEGORY: Hospital Waste + NCCW + Sanitary

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	***
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	***	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	***	Daily Avg	Once/3 mo
Silver (Total) [mg/L]	.5	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.52	Instant	Once/year

^{*} Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.

^{**} See Section I.A.2 of the permit conditions.

^{***} Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

^{****} See Section I.A.11 of the permit conditions.

Permit No.:
Page No.:
Effective Date:

41121954-00

May 01, 2000

DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER:

SAMPLING POINT LOCATION: 6" vent 30' W, 20' S of NW corner of Bldg 1505 on Park Avenue

AVERAGE WASTEWATER FLOW (GPD): 1,700

WASTEWATER SOURCE AND CATEGORY: Sanitary

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD] Biochemical Oxygen Demand (5 Day) [mg/L] Chemical Oxygen Demand [mg/L] Oil and Grease (Total) [mg/L] pH [SU] pH [SU] Temperature [Deg C] Total Suspended Solids [mg/L] Total Toxic Organics [mg/L]	*** *** 200 11.5 5.5 60 **** 5.52	Daily Avg Daily Avg Daily Avg Instant Instant Instant Instant Instant Instant Instant	*** Once/year Once/year Once/year Once/year Once/year Once/year Once/year

REMOVED 9/24/01

- * Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.
- ** See Section I.A.2 of the permit conditions.
- *** Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- **** See Section I.A.11 of the permit conditions.

Permit No.: 41121954-00
Page No.: 4

May 01, 2000

Effective Date:

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
 - 2. The limitation types, which may be specified in this permit, are defined as follows:

An INSTANT limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade) .

A DAILY AVG limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A **DAILY MAX** limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A 4-DAY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive sampling days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

- 3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:
 - a. Temperature, pH and chlorine residual measurements, when required, shall be made on-site at the points of discharge and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
 - b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
 - c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

Permit No.: 41121954-00
Page No.: 5

Effective Date: May 01, 2000

4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- 5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- 6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- 7. If the permittee employs continuous monitoring techniques for pH and/or temperature at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-C of District Ordinance 8472. The permittee shall include, with each self-monitoring report, a summary of the continuous temperature and/or pH monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, the total time for all excursions for temperature and the total time for all excursions for pH.
- 8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- 9. A self-monitoring report (on forms supplied by the District) shall be submitted to the District's Department of Environmental Compliance for each calendar quarter. Each report shall include:
 - a. All facility and sample description information required on the District's reporting form.
 - b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
 - c. Daily flows, with dates, for all measurements or estimates made within the quarter.
 - d. Any certification statements required pursuant to the Special Conditions in Section II.
 - e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 8472. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

January 1 through March 31

April 1 through June 30

July 28

July 1 through September 30

October 1 through December 31

The report must be postmarked no later than:

April 28

July 28

October 28

January 28

A report must be submitted for <u>each</u> calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The first report, under the terms of this permit, is due by July 28, 2000.

Permit No.: 41121954-00
Page No.: 6
Effective Date: May 01, 2000

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Department of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 350 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

B. CHANGE IN DISCHARGE:

- 1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.
- 2. The permittee shall notify the District's Department of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.
 - 3. As defined in Article II of District Ordinance 8472, significant new or increased discharge means:

a. Any discharge from a new process or facility or a new source.

- b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
- c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
- d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 8472.
- e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
- f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 8472.
- g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

41121954-00

Page No.: Effective Date:

May 01, 2000

C. PROBLEM DISCHARGE:

1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Department of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Department of Environmental Compliance.

E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

F. PERMIT TERMINATION OR MODIFICATION:

- 1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.
- 2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 8472 Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Department of Environmental Compliance.

Permit No.:

41121954-00

Page No.: Effective Date:

May 01, 2000

G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 8472 until the District issues a new permit or denies the application.

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than three (3) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 8472.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 8472.

Permit No.: 41121954-00
Page No.: 9

Effective Date: May 01, 2000

M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District Department of Environmental Compliance 10 East Grand Avenue St. Louis, Missouri 63147-2913

- 2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.
- 3. During normal business hours, notifications may be made by calling the District's Department of Environmental Compliance at (314) 436-8710.

SECTION II - SPECIAL CONDITIONS:

SERPG 9 DTD 9 DAD1

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

- A. Special Sampling and Analytical Procedures:
- 1. The permittee is authorized to perform self-monitoring at sampling point 003 using grab samples in lieu of the composite samples specified in General Condition I.A.3. Each quarterly self-monitoring report shall include a statement that the grab sample results accurately represent the permittee's average daily discharge.
- B. Special Certification and Reporting Requirements:
- 1. At sampling point 003 permittee is required to sample the discharge only once per year. For the quarters in which no sampling is performed, permittee shall include, in the quarterly self-monitoring report, a statement that there has been no change in the character of the wastes discharged at sampling point 003 since the last report.
- 2. Permittee is authorized to discharge not more than 1.2 millicuries of radioactive material per year to the District's sanitary sewers. Such materials must be soluble, or dispersible if biological material, in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, in conjunction with other user's discharges of radioactive materials, causes the aggregate of all radioactive materials entering the District's treatment plant to exceed one (1) curie per year or causes interference as defined in MSD Ordinance 8472.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

Permit No.: 41121954-00
Page No.: 10
Effective Date: May 01, 2000

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C. Special Billing Reporting Requirements:

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1. Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on **seventy-nine (79) percent** of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Department of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

THIS IS THE LAST PAGE OF THIS PERMIT



Metropolitan St. Louis Se District

Department of Environmental Compliance 10 East Grand Avenue St. Louis. MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

April 7, 2000

Kevin R. Julius Facilities Compliance Manager CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104

Discharge Permit No: 41121954-00

For premise at:

1465 S. Grand Boulevard

Dear Mr. Julius:

We have completed our review of your application for renewal of the Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit for the premise identified above. The current permit expires on April 30, 2000. Enclosed is a draft copy of the proposed permit renewal.

Except as noted in this paragraph, the terms and conditions of this draft permit renewal are substantially the same as in the current permit. Sampling point 002 has been replaced with new sampling point 003. Two special conditions have been added which authorize the use of grab samples in lieu of composite samples at sampling point 003 and identifies the current return factor associated with the above referenced account number. Additionally, Section I of the permit conditions has been reorganized and includes additional clarifying language but does not contain any new requirements. Other minor changes may have been made to improve the overall clarity of the document

This draft has been prepared pursuant to the federal pretreatment regulations in 40 CFR 403 as amended October 25, 1995 and is based on information that you supplied in the District's Industrial User Questionnaire, on results from previous wastewater samplings and inspections and on requirements contained in existing MSD ordinances and state and federal regulations.

Please review this draft copy carefully. If you disagree with any of the terms or conditions of the proposed permit please inform us, in writing, within 15 working days of receipt. Absence of a response within this time frame will be deemed as acceptance of the draft permit and we will proceed to issue the final permit.

If you have any questions, please contact me at 436-8756.

Sincerely.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Rabian T. Grabski Assistant Engineer

Enclosure

METROPOLITAN ST. LOUIS SEWER DISTRICT DEPARTMENT OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 41121954-00

EFFECTIVE DATE:

May 01, 2000

EXPIRATION DATE: April 30, 2005

ISSUED TO: CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 & 1505 S. GRAND BLVD.

ST. **LOUIS**, MO 63104

SIC NUMBER(S): 8069

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: TWO

SAMPLING PT. REF NUMBER(S): 001, 003

In accordance with the provisions of the Tederal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 8472, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer Bob Zeman, P.E. Manager of Environmental Compliance

Permit No.: Page No.:

Effective Date:

May 01, 2000

DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION: MH on sidewalk S of Vista Ave., E of overhead walkway, Flow from SE

AVERAGE WASTEWATER FLOW (GPD): 62,376

WASTEW ATER SOURCE AND CATEGORY: Hospital Waste + NCCW + Sanitary

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	***
Biochemical Oxygen Demand (5 Day) [mg/L]	***	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	***	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	***	Daily Avg	Once/3 mo
Silver (Total) [mg/L]	.5	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.52	Instant	Once/year



- Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.
- See Section I.A.2 of the permit conditions.
- Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- **** See Section I.A.11 of the permit conditions.

Permit No.: Page No.:

41121954-0

Effective Date:

May 01, 2000

DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 003

SAMPLING POINT LOCATION: 6" vent 30' W, 20' S of NW corner of Bldg 1505 on Park Avenue

AVERAGE WASTEWATER FLOW (GPD): 1,700

WASTEWATER SOURCE AND CATEGORY: Sanitary

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD] Biochemical Oxygen Demand (5 Day) [mg/L]	*** ***	Daily Avg Daily Avg	*** Once/year
Chemical Oxygen Demand [mg/L]	200	Daily Avg Instant	Once/year Once/year
Oil and Grease (Total) [mg/L] pH [SU]	11.5	Instant	Once/year
pH [SU]	5.5	Instant	Once/year
Temperature [Deg C]	60	Instant	Once/year
Total Suspended Solids [mg/L]	***	Daily Avg	Once/year
Total Toxic Organics [mg/L]	5.52	Instant	Once/year



- * Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.
- ** See Section I.A.2 of the permit conditions.
- *** Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.
- **** See Section I.A.11 of the permit conditions.

Permit No.: 41121954-00
Page No.: 4
Effective Date: May 01, 2000

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A MONITORING AND REPORTING REQUIREMENTS:

- 1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.
 - 2. The limitation types, which may be specified in this permit, are defined as follows:

An INSTANT limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A DAILY AVG limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A DAILY MAX limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A MONTHLY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A 4-DAY AVG limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive sampling days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period

- 3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:
 - a. Temperature, pH and chlorine residual measurements, when required, shall be made on-site at the points of discharge and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A below.
 - b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be Grab Samples.
 - c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

Permit No.: 41121954-00
Page No.: 5
Effective Date: May 01, 2000

4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

- 5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.
- 6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.
- 7. If the permittee employs continuous monitoring techniques for pH and/or temperature at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-C of District Ordinance 8472. The permittee shall include, with each self-monitoring report, a summary of the continuous temperature and/or pH monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, the total time for all excursions for temperature and the total time for all excursions for pH.
- 8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.
- 9. A self-monitoring report (on forms supplied by the District) shall be submitted to the District's Department of Environmental Compliance for each calendar quarter. Each report shall include:
 - a. All facility and sample description information required on the District's reporting form.
 - b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
 - c. Daily flows, with dates, for all measurements or estimates made within the quarter.
 - d. Any certification statements required pursuant to the Special Conditions in Section II.
 - e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 8472. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

January 1 through March 31

April 1 through June 30

July 28

July 1 through September 30

October 1 through December 31

The report must be postmarked no later than:

April 28

July 28

October 28

January 28

A report must be submitted for each calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. The first report, under the terms of this permit, is due by July 28, 2000.

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Page No.: 6
Effective Date: May 01, 2000

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Department of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 350 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

B. CHANGE IN DISCHARGE:

1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.

2. The permittee shall notify the District's Department of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.

3. As defined in Article II of District Ordinance 8472 significant new or increased discharge means:

a. Any discharge from a new process or facility or a new source.

b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.

c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.

d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 8472.

e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.

f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 8472.

g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

Permit No.:

41121954-00

Page No.: Effective Date:

May 01, 2000

C. PROBLEM DISCHARGE:

1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Department of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

D. BYPASSING PROHIBITED

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;

b. There are no feasible alternatives to the bypass; and

c. In the event of an anticipated bypass, advance notice is provided to the District's Department of Environmental Compliance.

E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

a. A violation of any term or condition of this permit.

b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

F. PERMIT TERMINATION OR MODIFICATION:

1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.

2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 8472 Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Department of Environmental Compliance.

Permit No.:

41121954-00

Page No.:

Effective Date:

May 01, 2000

G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 8472 until the District issues a new permit or denies the application.

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the Districts wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than three (3) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 8472.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 8472.

Permit No.: 41121954-00
Page No.: 9
Effective Date: May 01, 2000

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SECTION II - SPECIAL CONDITIONS

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

A. Special Sampling and Analytical Procedures:

- 1. The permittee is authorized to perform self-monitoring at sampling point **003** using grab samples in lieu of the composite samples specified in General Condition I.A.3. Each quarterly self-monitoring report shall include a statement that the grab sample results accurately represent the permittee's average daily discharge.
- B. Special Certification and Reporting Requirements:
- 1. At sampling point 003 permittee is required to sample the discharge only once per year. For the quarters in which no sampling is performed, permittee shall include, in the quarterly self-monitoring teport, a statement that there has been no change in the character of the wastes discharged at sampling point 003 since the last report.
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The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations active material by release into sanitary sewage.

Permit No.:

41121954-00

Page No.:

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Effective Date:

May 01, 2000

C. Special Billing Reporting Requirements:

1. Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on **seventy-nine** (79) **percent** of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Department of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

THIS IS THE LAST PAGE OF THIS PERMIT



METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL WASTEWATER DISCHARGE PERMIT

FACT SHEET

PERMIT RENEWAL: PERMIT REVISION:	Prepared by: FTG Date: 02-VI- Checked by: 68 Date: 4000
PERMIT NO: 41121954-00 EFFECTIVE DAT	E: 05-01-00
EXPIRATION DATE MODIFICATION DATE(S)	3 21 DA (+SPOP4)
OTHER ACCOUNT NUMBERS: 41/22163-01 4112	22/64-00
COMPANY NAME: CARDWAL GLENNON CHILDR	ENÉ HOSPITAL
PREMISE ADDRESS: 1465 \$ 1505 5 GRAND BLY	D. ST. LOUIS, MO 63104
SIC NUMBER(S): 8069	
TYPE OF OPERATION: HOSPITAL	
TOTAL NUMBER OF SAMPLING POINTS: TWO NUMBER OF: ORDINANCE 2 CATEGORICA	LCOMBINED
CATEGORICAL INDUSTRY: YES NO \(\sqrt{SUBPART} \) IF YES, 40 CFR SUBPART	
EXTRA STRENGTH SURCHARGE: YES NO TSS:	
RETURN FACTOR: YES NO IF YES,	PERCENT (%): (7
SPECIAL CONDITIONS: YES NO	
SUPPORTING DOCUMENTS ATTACHED:	
PERMIT PREPARATION CHECK LIST: POLLUTANT & LIMITATIONS DOCUMENTATION SHEETS: PRODUCTION BASED STDS CALCULATION SHEETS: IF YES, FOR SAMPLING POINT:	YES V NO NO N/A V
MOST STRICT STANDARDS CALCULATION SHEETS: IF YES, FOR SAMPLING POINT:	YESNON/A_
COMBINED WASTESTREAMS CALCULATION SHEETS: IF YES, FOR SAMPLING POINT:	YES NO N/A_
OTHER:	
COMMENTS:	
Rev: 10/27/93	PG 1 OF <u>A</u>

PERMIT NO: 41121/34-00

AMPI	LING POINT REFERENCE NUMBER: OI
	WASTEWATER SOURCES: SANT NCW HOSP WASTE
	FLOW RATE (GPD): 48,3%
	BASIS FOR FLOW RATE: NO
	GENERAL POLLUTANTS: BOD COD O & G PH TEMP TEMP TSS T
	PRIORITY POLLUTANTS: TO, A.
	BASIS FOR POLLUTANTS & LIMITATIONS: TO: MSD ORD # SATA
	Ag: KP ON IUQ; X-RAY FILM PROCESSING
	SPECIAL CONDITION(S) REQUIRED: YES NO
	IF YES, # # # IS APPLICABLE.
IPI	LING POINT REFERENCE NUMBER: 03
	WASTEWATER SOURCES: SANTARY DE REMOUTED 9/24/2
	FLOW RATE (GPD): 1, 100
	BASIS FOR FLOW RATE: 100
	GENERAL POLLUTANTS: BOD COD O G PH TEMP TEMP TSS
	PRIORITY POLLUTANTS: TO
	BASIS FOR POLLUTANTS & LIMITATIONS: TTO: MSD ORD # SATQ.
	SPECIAL CONDITION(S) REQUIRED: YES NO IS APPLICABLE.
<i>r</i> :	10/27/93 PG 2 OF 3

	any Name: CARDINAL GLENNON CHILDREN'S HOLACAT: 49	Prepared By: FG Reviewed By / Date:
Acct.	Number: 41121954-00 Date: 02-17-00	/
	PERMIT PREPARATION CHECK LIST	(Rev 02/29/96)
	REVIEW THE PRETREATMENT DATABASE AND INDUSTRY FILE. ANSWER QUESTIONS AND UPDATE THE DATABASE PRIOR TO DEVELOPING THE DATACH COMPLETED CHECK LIST TO PERMIT FACT SHEET.	
1.	Are the correct SIC numbers listed? If No - add:	
	- delete:	_· _
2.	Is user in surcharge - Category 2? If Yes - date last certified:	Yes_ <u>/_</u> No
	Special Condition F.2 is applicable.	A
3.	Does user have more than one water account? If Yes - is PSIM using the most appropriate account numbe If No - what account number should be used? # Prepare Jar 019 reques	
4.	If user has only one water account, do the discharge factor provide an accurate representation of the flows at each sampling point? If No - explain:	✓N/A_Yes_No
5.	Does user have a return factor less than 1.00 for any account if Yes - list account number, return factor and date upda # 4121954 - RF UPDATED UPDATED UPDATED Special Condition F.D is applicable.	
6.	Does user discharge water from a source not included in MSD billing system? If Yes - Special Condition F.3 is applicable.	Yes No
7.	Has user been granted a variance from an ordinance limitati If Yes - parameter(s) at sampling point(s) Special Condition C.4 is applicable.	on? Yes No
8.	Does user discharge any radioactive waste? If Yes - Special Condition E.18 is applicable?	No
9.	Do all of the user's active connections, to the District se have identified sampling points? If No - how many do not? Explain: If No - can Special Condition E.5, E.6, E.7 or E.8 be use If Yes - is documentation sufficient? If No - is compl schedule necessary to establish docume If Yes - Special Condition G.1 is applicable.	YesNo d?YesNo YesNo
10.	Does user have upstream/downstream sampling points? If Yes - upstream # & downstream # If Yes - Special Conditions D.11 and E.9 are applicable.	YesNo

11.	Are there any inactive wastewater connections to District sewers? If Yes - does Special Condition E.10 apply?	YesNo YesNo
12.	Do the Sampling Point Location comments specifically locate the sampling point(s)?	No
13.	Do the Wastewater Source and Category comments accurately identify the wastewater discharged and the applicable categorical standards?	Yes_No
14.	Are there any sampling points identified as Dry Justified? If Yes - which sampling point(s) Special Condition E.3 is applicable.	Yes_\No
15.	Are there sampling points which convey stormwater in addition to wastewater? If Yes - which sampling point(s): Special Condition D.10 is applicable.	YesNo
16.	Are there sampling points subject to a NPDES permit? If Yes - which sampling point(s): Special Condition E.14 is applicable.	YesNo
17.	Does user discharge any process waste? If No - does Special Condition B.1, B.2 or B.3 apply?	Yes_No_No_
18.	Are there sampling points which convey <u>no</u> process waste flows? If Yes - does Special Condition E.3 apply? If Yes - which sampling point(s):	Yes No
19.	Can grab samples be used in lieu of composite samples? If Yes - which sampling point (x): If Yes - is documentation adequate? Special Condition D.1 is applicable.	YesNo
20.	Are there sampling points with less than quarterly sampling frequency for all parameters? If Yes - which sampling point(s): Special Condition E.4 is applicable.	√Yes_No
21.	Do the ordinance discharge limits correspond to the watershed? Watershed is classified small or large river.	Yes No
22.	Are all applicable priority pollutants listed at ordinance sampling points? If No - add: - delete:	✓ YesNo
23.	Can user be exempted from monitoring for local limits TTO at any ordinance sampling point(s)? If Yes - which sampling point(s) If Yes - explain	YesNo

24.	Does user have a history of compliance problems at this or a	/
	previous location?	Yes__No
	If Yes - is a compliance schedule required?	YesNo
	If Yes - Special Condition G.1 is applicable.	
	w	you /wa
25.	Is user a categorical user?	resvo
	If No - questions 26 through 39 can be skipped.	
26.	Do any sampling points have both Ordinance & Categorical limits?	Yes No
20.	If Yes - which sampling point(s):	
	Special Condition C.3 is applicable. Attach worksheet.	
27.	Is the Combined Wastestream Formula (CWF) required?	YesNo
	<pre>If Yes - which sampling point(s):</pre>	
	If Yes - date last calculated: Special Condition C.2 is applicable. Attach CWF worksheet.	
	Special Condition C.2 is applicable. Attach CWF worksheet.	
28.	Are there process discharges, from a categorical operation, for	40 49
	which standards have not been promulgated?	YesNo
	If Yes - which sampling point(s):	Yes No
	Is Special Condition E.20 applicable?	reswo
20	Are categorical limitations based on production rates?	Yes No
29.	If Yes - which sampling point(s):	
	If Yes - date last calculated:	
	Do Special Conditions C.1, E.1 or E.2 apply?	Yes No
	If Yes - which Special Condition(s):	
	•	
30.		YesNo
	If Yes - which sampling point(s):	
	Special Condition E.19 is applicable.	
	m	Voc No
31.	Is user a job shop electroplater with >10,000 gpd? If Yes - Special Condition D.2 is applicable.	YesNo
	If Yes - Special Condition D.2 is applicable.	
32.	Is user a soap and detergent manufacturer subject to 40 CFR 417?	Yes No
JE.	If Yes - are they subject to Subparts O, P, Q or R?	Yes No
	If Yes - for Subpart O, Special Condition B.4 is applicable.	
	If Yes - for Subpart P, Special Condition B.5 is applicable.	
	If Yes - for Subpart Q, Special Condition B.6 is applicable.	
	If Yes - for Subpart R, Special Condition B.7 is applicable.	
33.	Is user a leather tanner/finisher subject to 40 CFR 425?	YesNo
	If Yes - under Appendix A, Special Condition D.6 is applicable.	
	If Yes - under Appendix B, Special Condition D.7 is applicable.	
2.4	To warm a mharmannitical manufacturer subject to 40 CED 4202	Yes No
34.	Is user a pharmaceutical manufacturer subject to 40 CFR 439?	Yes No
	If Yes - have they certified to the absence of cyanide? If Yes - Special Condition E.15 is applicable.	
	If No - must total cyanide limitations be adjusted?	Yes No
	If Yes - calculate adjusted limitations. Attach worksheet.	
35.	Is user a metal molder/caster subject to 40 CFR 464?	YesNo
	If Yes - Special Condition D.4 is applicable.	

•	Is user a coil coater subject to 40 CFR 465?		Yes	NO
	If Yes - Special Conditions D.5 and E.16 are applicable.			
	If Yes - is user subject to 40 CFR 465 Subpart D?	**************************************	Yes	No
	If Yes - Special Conditions D.9 and E.17 are applicable.			
	If Yes - is there a separate categorical sampling point			
	for the regulated waste?		Yes	No
	If Yes - include O&G (Hydrocarbon) in the list of parameter	ers		
	at the categorical sampling point.			
	If No - and categorical waste discharges at a combined or			
	sampling point, include O&G (Total) and O&G (Hydrocarbon)	ın		
	the list of parameters at the combined sampling point.			
	m	mi + a 2	Yes	No
	Do any sampling points have both Ordinance & Categorical TTO ling.	mircs:		10
	If Yes - which sampling point(s):		Yes	No
	Is Special Condition E.13 applicable?	***************************************		
	If Yes - explain:			
	Con user contifue in lieu of monitoring for categorical TTO at			
	Can user certify, in lieu of monitoring, for categorical TTO at		Yes	No
	a categorical or combined sampling point?	-	* & B	
	If Yes - which sampling point(s):			
	Special Condition E.11 or E.12 is applicable.			
	Many uses maniton for Oil & Change in lieu of MMO of a			
	May user monitor for Oil & Grease, in lieu of TTO, at a		Van	No
	categorical sampling point?		Yes	No
	If Yes - which sampling point(s):			
	If Yes - Special Condition D.8 is applicable.	162	Yes	No
	If Yes - is a modification of Special Condition E.13 applicab	TC:		
	To user required to monitor for Total Dhenole?		Yes	No
	Is user required to monitor for Total Phenols? If Yes - is Special Condition D.3 applicable?	********	Yes	No.
	It ies - is special condition b.s applicable:			
	Are all SARA Data pollutants monitored?	$\sqrt{N/A}$	Yes	No
	If No - do additional pollutants need to be monitored?		Yes	No
	If Yes - list pollutant(s):	***************************************		
	IT IED - IIDC POITGCONC(D).	,		
	Are all Haz Waste Report (403.12(p)) pollutants monitored?	√n/a	Yes	No
	If No - do additional pollutants need to be monitored?		Yes	No
	If Yes - list pollutant(s):			
	The though any anguing hilling provincions, not provinced.			
	Are there any special billing provisions, not previously		Vec	NA
	listed, that require a Special Condition in the permit?			
	If Yes - describe:			
	Are any Special Conditions other than the standard Special			,
	Conditions needed?		Yes	No.
	If Yes - please describe:		~~	
	II les - please describe:			

SUMMARY:	List	all	the	Special	Conditions	applicable	to	this	permit:

1.Q #	# E:4	# E.18	#F.I	#	#	#	#	#
11 4								

Ιf	Special	l Condition	G.1	is	applicable,	outline	the	requirements	& dates	below:
	400000400000000000000000000000000000000									
									idanahilahahan vilipaga asa asa asa asa	
		en e								
	***************************************		4							
										<u></u>

PERMIT MODIFICATION DOCUMENTATION FORM

Permit to be Modified:
COMPANY Name: CAROINAL GUENNON CHILDREN'S HOSPITAL
Location: 1465 S. GRAIND BLUD. ST. LOUIS, MO 63/04
Permit No: All 21164-00 Effective Date: 09.24.01
What is to be Modified:
Briefly explain what is to be modified and then list the pages affected.
REMOVE 003 & TWO RELATED EPECIAL CONDITIONS.
PG. # ADD MOD DATE, REMOVE SPOOS REFERENCE.
The Control of the Co
Pg. #3 SPOOB; ADD "THIS PAGE VOID".
Pg. = 9 REMOVE SPECIAL CONDITIONS E.4 & D.1; 003.
•
Pg. (10) REMOVE PAGE 10.
Reasons for Modification: (Cita regulation, policy, etc. and identify any
other documents which support the modification)
SEE JEGS 9/17/01 MEMO TO IND. FILE.
Modification Form Prepared By: FG Date: 09.18.01

Permit Modified by: FG Date: 09.18.01
Entire permit reissued $NO(\delta x)$ only pages $\frac{1}{2}$, $\frac{3}{4}$, $\frac{4}{9}$ modified.

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL WASTEWATER DISCHARGE PERMIT

DOCUMENTATION FORM for MODIFICATION

	GDb: X
Permit to be Modified	P:\
Company Nan	ne: SSM CARDINAL GLENNON CHILDRENS HOSPITAL
Location	on: 1465 S. GRAND BLUD. ST. LOUIS, MO 63104
Permit 1	No: 41121954-00 Effective Date: 08.29.04
What is to be Modified	<u>d:</u>
Briefly explain	n what is to be modified and then list the pages affected.
ADO HE	EW SP 004.
Pg. #	ADD MOD. DATE. ADD SPOOT.
Pg. # <u>SA</u>	400 PG 3A & SP 004.
<u> </u>	
Pg. #	
Pg. #	
Reasons for Modificat	ion:
Cite regulation	n, policy, etc. and identify any other documents which support the modification.
AIMUAL!	1/15 by DISTRICT FACILITY INSPECTION IDENTIFIED CHANGE.
	

Prepared by:	Date: 03.16.04
Reviewed by: nnm	Date: 03-17-04

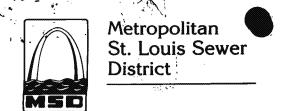
	Permit Modified by:	Date: 03.14.04
	Entire Permit Reissued?	~ NO~
1	Only these pages modified:	

METROPOLITAN ST. LOUIS SEWER DISTRIPLINDUSTRIAL WASTEWATER DISCHARGE PERMIT

BR: Y FILE? Y

DOCUMENTATION FORM for MODIFICATION

Permit to be Modified:		
Company Name: SM CARDINAL GUSL	MON CHILDRENS HO	SP.
Location: HUSS. CRAYD BU	D. ST. LOUIS, MO	68104
Permit No: 41121954-00		
What is to be Modified:		
Briefly explain what is to be modified and then list the	ne pages affected.	
ADD" SSM" TO HOSPITAL HI	ME	
Pg. # 1 (D ADD MODIFICATION DOTE.	(2) ADD "SSM" TO PER	emittee's NAME
Pg. #		
Pg. #		
Pg. #		
Reasons for Modification:		
Cite regulation, policy, etc. and identify any other do	ocuments which support the modification	on.
02/02/08 PHONE CALLTO	PERMITTER IDENTIFIED	CHANGE
Prepared by: FG Date: 38,00	Permit Modified by:	Date: BROQ
Reviewed by: DMM Date: 3/8/02	Entire Permit Reissued? Only these pages modified:	70
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	45
FOR MSD USE ONLY	
ACCOUNT AND 1954-00 CATEGORY:	1 2 3 4 5 6 9
TA: BP TS: OLO MILL CIS Reviewer's Initials	11 5 99 Date
Reviewer's Initials	[Date

METROPOLITAN ST. LOUIS SEWER DISTRICT DEPARTMENT OF ENVIRONMENTAL COMPLIANCE INDUSTRIAL USER QUESTIONNAIRE

Note to Signing Official: In accordance with Title 40 of the Code of Federal Regulations Part 403 Section 403.14, information and data provided in this questionnaire which identifies the nature and frequency of discharge shall be available to the public without restriction. Requests for confidential treatment of other information shall be governed by procedures specified in 40 CFR Part 2. Should a discharge permit be required for your facility, the information in this questionnaire will be used to issue the permit.

SE	ECTION A - GENERAL INFORMATION	OCT 29 1999 Environmental Comple
1.	Company Name: CARDINAL GLENRON CHILDREN'S KOSPITAL	The south of the second of the
2.	· · ·	
•	ST. LOUIS, MO.	Zip Code_63104-1095
3.	Premise Address: 1465 SOUTH GRAND & 1505 SOUTH GRAND	
	ST. LOUIS, MO.	Zip Code <u>63104-1095</u>
4.	. Person Authorized to Sign Reporting Documents:	•
	Name and Title: KEVIN R. JULIUS, DIRECTOR OF SAFETY & SECURI	IA
		Tel No. <u>314–268–4117</u>
6.		3rd350 😤 Total:_1350 🕏
SE	ECTION B - PRODUCT OR SERVICE INFORMATION	\$4.
1.	Briefly describe the primary manufacturing or service activities at the premise for each activity:	address and list the applicable SIC number
	PRIMARY ACTIVITIES	SIC NUMBER
	a. Health Care and Hospital	
	b	
	C	
	d.	

Principal raw materials used: Principal products produced: Check all activities which are conducted at your premise in addition to the primary activities described in B.1. indicate the SIC number, if known. Do not check activities which are already included in B.1. Indicate the SIC number, if known. Do not check activities which are already included in B.1. Adhesto & Sealarts Mfg.	Are primary activities generally batch or co	ontinuous processes	? Il batch	(continuou
Principal products produced: Check all activities which are conducted at your premise in addition to the primary activities described in B.1 indicate the SIC number, if known. Do not check activities which are already included in B.1. Adheelve & Seelerts Mig.		mous processos	. (3	//o
Check all activities which are conducted at your premise in addition to the primary activities described in B.1 Indicate the SIC number, if known. Do not check activities which are already included in B.1. Adhesky & Sealants Mfg.	-			,
Indicate the SIC number, if known. Do not check activities which are already included in B.1. Adhesive & Seelarts Mfg.			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	** * * ** ** **
Adheelve & Seelarts Mfg.			•	cribed in B.1 a
Advance & Sealents Milg.	Indicate the SIC number, if known. Do no	ot check activities wh	ich are already included in B.1.	
Aluminum Forming		SIC NO.		SIC N
Rabestos Mfg.	[] Adhesive & Sealants Mfg.	**************************************	[] Mineral Mining & Processing	
Battery Mfg. Organic Chem., Plastica & Synthetic Fibers Mfg Battery Mfg. Parter Formulating Parter Formulating Parter Formulating Parter Washing Perceived Parter Washing	[] Aluminum Forming	***************************************	[] Nonferrous Metals Forming	***************************************
Builder's Peper and Roofing Felt Mfg. Paint formulating Painting, Finishing or Paint Stripping Cemert Mfg. Parts Washing Parts Washing Parts Washing Pers Washing Pers Washing Pers Washing	[] Asbestos Mfg.		[] Nonferrous Metals Mfg	,
Carbon Black Mfg. Painting, Finishing or Paint Stripping Cemert Mfg. Parts Washing Coil Coating Paving and Roofing Materials Copper Forming Paving and Roofing Materials Copper Forming Paving and Roofing Materials Paving Products Processing Paving Roofing Mitter Paving Roofing Mitter Paving Roofing And Porting Post Protection Paving Roofing And Post Processing Paving Roofing Roofing And Paving Roofing Ro	[] Bettery Mfg.		[] Organic Chem., Plastics & Synthetic Fibers	Mfg
Cement Mtg. Parts Washing Paving and Roofing Materials Copper Forming Pesticide Chem. Mtg., Formulating, Packaging Dairy Products Processing Pestroleum Refining Dairy Products Processing Pestroleum Refining Dairy Reconditioning Pharmaceutical Mtg Electrocal and Electronic Components Phosphate Mtg Electroplating Phosphate Mtg Electroplating Phosphate Mtg Electroplating Phosphate Mtg Electroplating Phosphate Mtg Pestilized Modeling and Forming Pestilizer Mtg. Pinsting & Publishing Ferdilizer Mtg. Pulp, Paper & Paperboard Mtg Ferdilizer Mtg. Pulp, Paper & Paperboard Mtg Food Preparation Q. C. Laboratory Ferdilizer Mtg. Radioactive Materials Processing General Offices Radioactive Materials Processing Glates Mtg. Repair Shop, Garage Grain Milling Rubber & Rubber Prod. Mtg. Gam & Wood Chemical Mtg. Seafood Processing Hazardous Waste Treatment, Storage or Disposal Soap and Detergent Mtg. Health Care & Hospital Solvent Recycling Industrial Laundry Steam Electric Power Generation Ink Formulating Transportation Equipment Cleaning Inorganic Chemicals Mtg. Transportation Equipment Cleaning Inorganic Chemicals Mtg. Transportation Services Machine Shop Transportation Services Machine Shop Warehousing Mater Tocessing Warehousing Mater Processing Warehousing Mater Processes subject to seasonal variation? Weste Recycling Others Others Warehousing Waste Recycling Others Others Warehousing Others Waste Recycling Others Warehousing Waste Recycling Others Others Waste Recycling Others Waste Recycling Others Waster Recycling O	[] Builder's Paper and Roofing Felt Mfg.		[] Paint Formulating	
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Explosive Mfg.	[] Electrical and Electronic Components		[] Phosphate Mfg	
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[] Metal Finishing [] Warehousing [] Waste Recycling [] Others [] Others [] No		COLUMN COST COST COST COST COST COST COST COST	,	
[] Metal Molding and Casting [] Waste Recycling [] Others		**************************************		
Are your processes subject to seasonal variation? [] Yes No		disinishila lina kananan nganan ngangganga	- · · · · · · · · · · · · · · · · · · ·	CONTRACTOR
Are your processes subject to seasonal variation? [] Yes No	Character talencia A same control A			
			II Others	
	And Marin management and last to a second and	minking D.V		CONTRACTOR
	Are your processes subject to seasonal va if "Yes," explain and indicate the month(s)		M No RE	Section 1

Company Name: CR. Premise Address: ____

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	(.		I	\	N.//	11 . :
Company Name:	7771	Laro	ling/t	olenno	n Underfair	140 JOK
Premise Address:	1467	Sour	Cra	ad Mv	1	
Account Number:	4112	19,(4,0	0			

SECTION C	- WATER	CONSUMPTION	AND WASTEWATER	DISCHARGES
JECHON C	- AAWI [[/	COMOUNI NOM	WISD SAWOIFSAVIEW	DICCIPATOR

1.	Raw Water Source(s):	City of St. L	ouis Water Div.	'.	[] Surface v	water	
			ounty Water Co).	[•		
			cipal source		[] Other (de	escribe)	
		[] Hauled by	contractor	1, 1	M. M.	/ }	- 11	
2.	Water Bill Addressee:	U	M / de	ling	German Ch.	1964	H. spitul	
3.	Water Service Account N	umbers:	7. 936	200	0			
4.	List past twelve months w	ater usage fron	ո:			[] Wate	er Bills	Other Sources
	1st 3 mo period 0	MO QP Yr	through 0	Mo	O, / Yr	1,140	Ccf	Ccf
	2nd 3 mo period 0		through 0	Mo	0, p Yr	1) K	Ccf	Ccf
	3rd 3 mo period 0	MoO,}_Yr	through 0)	Mo	04 Yr	127	Ccf	Ccf
	4th 3 mo period	MoYr	through	Mo	Yr		Ccf	Ccf
							1./2.10	
5.	Describe any treatment o	r conditioning p	rocess perforr	ned on	the raw water b	efore use:	Molo	achters.
6.	Identify all water uses wit	hin vour facility:		7.	Identify all wa	ter losses	and wastew	vater discharges
•	, a d , a , a , a , a , a , a , a , a ,	,			from your faci		•	Jack Committee of the C
		Fstim:	ated Average		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Estimated Average
	Water Uses	1	aily Use		Water Los	ses & Disc	:harges	Daily Loss/Discharge
	valor 0303	1	ons per day)		17410. 200	000 0 0.00	, argue	(Gallons per Day)
		31	20 -		•			71111
	a. Sanitary		3000		a. Municipal s			1331
	b. Irrigation & lawn watering	,	28.50		b. Watercours	e, storm dra	iin, ground	10:630
	c. Non-contact cooling water	er <u></u>	619		c. Haulers			0035
	 d. Contact cooling water 	***************************************			d. Evaporation			0 172
	e. Process water				e. Contained i	n product		
	f. Plant & equipment wash	down						
	g. Boiler	N 3	Til					
	h. Other uses Kappital W	71	7 000					94104
	i. Total of USES (6a throu	gh 6h):	192		f. Total of LO			11407
					(7a through 7e	must equal	total at 6i)	
8.	For each activity you liste	d in Sections B	1 and R.S. liet	the av	orage water usa	and and av	erane wast	ewater discharge
O.	Attach additional sheets,		1 and 6.5, 115t	. uic avi	siage water use	ige and av	uraye wasu	cwater discharge.
	p	n needed.	Time of Dire	hazaa	Avg. Water Use	Aug Dia	phoreo to	Data when activity first
	No. Activi	tv	Type of Disc	narge None	GPD)	-	- 1	Date when activity first ommenced at this facility
		· J	2011 201011	1	1 (-, -,	3 0		

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			Company Name:_ Premise Address:		on Children's Hap.
	*		Account Number:	4112195	
	\			•	:
oeo.	TIONIC MATER CONCLINA	PTION AND WASTEWATI	ED DISCHARGES		
SEC	TION C - WATER CONSUM	FIION AND WASIEWAII	en Dischanges .		
, 4	Day Matar Cauragia):	Work of Ot Lauria Water Div		[] Surface water	
1.	Raw Water Source(s):	City of St. Louis Water Div.	· •	[] Private Well	•
		[] Other Municipal Source		[] Other (describe)	•
		[] Hauled by Contractor		g care (accessor)	
2.	Water Bill Addressee:	Cardinal Glesson	Children's Hospit	a(
3.	Water Service Account Nun	nbers: <u>40732 8-227</u> 6	x4 407331-227	1086 . 405153 G	126370
4.	List past twelve months wat			•	Other Sources
	•		<u>{{ 19.98</u>	<u>535</u> Ccf _	Ccf
	`			700 Ccf	Ccf
12-St .te.	c. 3rd quarter	-27 1999 through		• •	Ccf Ccf
	d. 4th quarter	1-19 19 19 through 7-29	1999 11	<u>812Ccf</u>	Ccf
		· · · · · · · · · · · · · · · · · · ·			
5.	Describe any treatment or o	conditioning process perfo	ormed on the raw water	er before use:	
				MA :	
***************************************	t 1		u-maanunnananan-a-mannananananananan (SS) (SSS)	annananananananananananananananananana	
			·		
6.	Identify all water uses within	n your facility: 7	•	sses and wasterw	ater discharges from your
	•	and the second of the second	facility:		
		Estimated average	•		Estimated average
		daily use			daily loss/discharge
	Water Uses	(Gallons per Day)	Water Losses &	<u>Discharges</u>	(Gallons per Day)
	7.1	Me (14)			77960
	a. Sanitary	1750 1640)	a. Municipal sewer		-10850 16047
	b. Irrigation & lawn watering - c. Non-contact cooling water	- 1225] 00	b. Watercourse, storn c. Haulers	n drain, ground	
	d. Contact cooling water		d. Evaporation		3800
	e. Process water	9871 1/2000	e. Contained in produ	ıct	
	f. Plant & equipment washdown	1			
er og er	g. Boiler y C. IM YOUN DO		a de la lace	aid	· .
	h. Other uses Soft. Hagen.	= 220 A)		with the second of the second	700 (P) (a)
	i. Total of USES (6a through 6h):	- 2894(2 7) 60/	f. Total of LOSSES & (7a through 7e mus		_ 76320 _1',\\'
			(/a triiough /e mus	st equal total at oi)	
8.	List average water usage a	nd average wastewater di	scharge for each activ	rity listed in Section	ns B.1 and B.5.
	Attach additional sheets if r		30	• •	er ter
	Ham	Town of Disabo	A Water A	Disabasa Dal	to Milana Antivita Cirot
•	Item No. Activity	Type of Discha Cont. Batch N			te When Activity First mmenced At This Facility
	BI Hallhored H	11			1957
	BS Surgical Doctor	rions II II		3297	1957
	BS Food Prop			65 7×	1957
					,
	*************************************	00] ·	/ _	TACEIVED
		00	η <u>Λι</u>		No local
,		u u	" - WELT	Earl & Modu	1/4/00002/8/20000/4/
	•			6111671)	Environmental/Compliance
3/96			Page 3	101111101	THAMMINICATON DONNIAMON NA
;			- 450 9	\	

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		Premise Address: 1465 So	NEWOOD CHILDREN'S K Grand 954-00
SEC	TION C WATER CONSUMPTION AND WASTEWATE	ER DISCHARGES	
1.	Raw Water Source(s):	[] Surface water	
	[] St. Louis Co. Water Co.	[] Private Well	•
	[] Other Municipal Source	[] Other (descri	be)
	[] Hauled by Contractor	<u> </u>	
2.	Water Bill Addressee: CAROLINAL GILENNON	CHILDRENS HOSPITA	<u></u>
3.	Water Service Account Numbers: 407328-227	1084,407331-227086,	405153-226371
4.	List past twelve months water usage from:	Water Bills	[] Other Sources
	\.	8 19 98 /1535 Ccf	Ccf
		7 1999 <u>4700</u> Ccf	Ccf
	c. 3rd quarter 1-27\ 1997 through 42	3 19 99 10 47607 Cct	Ccf
	d. 4th quarter $\frac{1}{2}$ 19 $\frac{4}{3}$ through $\frac{1}{2}$ $\frac{3}{3}$		Ccf
5.	Describe any treatment or conditioning process perfo	ormed on the raw water before use: _	
		NA	
6.	Identify all water uses within your facility: 7.	. Identify all water losses and wast	erwater discharges from your
		facility:	
	Estimated average	<u>, </u>	Estimated average
	daily use		daily loss/discharge
	Water Uses (Gallons per Day)	Water Losses & Discharges	(Gallons per Day)
	(MP DESCRIPTION	, <u>, , , , , , , , , , , , , , , , , , </u>	(diametric per bes),
	a Sanitary 2400 2858 14000	a. Municipal sewer	21182)) 460
	b. Irrigation & lawn watering	b. Watercourse, storm drain, ground	-217011.047
	c. Non-contact cooling water 3250 700	c. Haulers	
	d. Contact cooling water	d. Evaporation	2762
	e. Process water 1836)	e. Contained in product	
	f. Plant & equipment washdown		
	g. Boiler of C. Jan Jonny Chandras - Ple o		
	h. Other uses		62 60
	i. Total of USES (6a through 6h): 38 44 9	f. Total of LOSSES & DISCHARGES: (7a through 7e must equal total at 6i)	
8.	List average water usage and average wastewater dis Attach additional sheets if needed.	scharge for each activity listed in Sec	etions B.1 and B.5.
	Item Type of Dischar		Date When Activity First
	No. Activity Cont. Betch No.	1	Commenced At This Facility
	1 HEALTHChee & MOSPINAL O O	1 33114 33114	- UNKNOWA
	0_0_0		
		<u> </u>	
		-	
		- Company Comp	BECHVER
		- A	RECEWED
	0 0 0	, - world star	GLOCIL 2 9 1999 LE
	LE PG 3	10017611 and	frattair a lines . In.
	en (con their	6.00 a 61/15/1	Edvironmental Sompliance (1)
3/96		Page 3 (4) (6) (1) (6)	A MANA

	or responsibility to the second		Premise Address: 1965	Glennon Children's Hosp Sc. Crond
			Account Number: 41	121954-00
1	370			
SEC	TION C - WATER CONSU	IMPTION AND WASTEWATI	ER DISCHARGES	
1.	Raw Water Source(s):	City of St. Louis Water Div.	[] Surface w	, rator
۱.	naw water Source(s).	[] St. Louis Co. Water Co.	[] Sunace W	
		[] Other Municipal Source	[] Other (de	
		[] Hauled by Contractor	[] Salor (we	
2.	Water Bill Addressee:	Cardinal Glernon C	children's Hospital	
3.	Water Service Account No		, 407331-22 7086, 405153	- 226370
4.	List past twelve months w	1	[] Water Bills	[] Other Sources
	a. 1st quarter	7-22 19 98 through 10:1	18 19 <u>78</u>	Ccf
	b. 2nd quarter	10-18 1998 through 1-2		
tigri de	c. 3rd quarter	The state of the s	7 1999 104.76.7 Ccf	the set to the first and the set of the set
	d. 4th quarter	4.17 1999 through 7-1	7 19 <u>99 1182.3 C</u> cf	Ccf
_	Describe one tractment o			
5.	Describe any treatment of	r conditioning process pend	ormed on the raw water before uso \mathcal{N}/\mathcal{A}	<i>†</i>
	**************************************		70/11	
inimizata de Cirilo				
ų.				
6.	Identify all water uses with	nin your facility:	. Identify all water losses and w facility:	asterwater discharges from you
		Estimated average		Estimated average
		daily use	2	daily loss/discharge
	Water Uses	(Gallons per Day)	Water Losses & Discharges	(Gallons per Day)
		A Comment of the Comm	<u> </u>	7 × 0 ,
	a. Sanitary	40 28.858. 14 cm	a. Municipal sewer	28+82- 1/14
	b. Irrigation & lawn watering	2420 [6 Va)	b. Watercourse, storm drain, ground	-8170 16 VV
	c. Non-contact cooling water	3250- 00	c. Haulers	
·, .	d. Contact cooling water	7.21	d. Evaporation	2762
	e. Process water	1836	e. Contained in product	
	g. Boiler	iterior - Pith	1	
	h. Other uses		Sometimes of the state of the s	Branch Marie Land Contract & State
•	i. Total of USES (6a through 6h)): 33H- 1	f. Total of LOSSES & DISCHARGES:	
		•	(7a through 7e must equal total at	6i)
_				
8.	List average water usage Attach additional sheets if	-	scharge for each activity listed in S	sections B.1 and B.5.
•	The state of the s			
	Item No. Activity	Type of Discha Cont. Batch No		Date When Activity First Commenced At This Facility
	1. Healthare at	. \ \	22111	UNKNOWN
	1 Majinage of			- Chiaprosas
	;	•		
	**************************************)
	* 3]	-RECEIVED
		0 0 0	J	JEC 2 9 1999
٠		SEEPO	201012500	, DEC 5 3 1333
				Environmental Compliance
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Company Name: Premise Address: Account Number:

``	Som	Cardia	10/ C/60	ncy Child	apple and
	146/1	Tousel	rond RI	Total Call Ki	R. BL
	1 411	~V7181C	i C	*	
	,	V .O 1 ~			

SECTION D - SEWER CONNECTION INFORMATION

1.	Attach	a scale	drawing	of	your	premise,	which	shows
----	--------	---------	---------	----	------	----------	-------	-------

- a. All buildings, structures, alleys, streets and other pertinent features.
- b. All sewers and drains, including all connections, inlets, manholes, vents and other access or control structures. Identify each sewer as sanitary, storm or combined and indicate its size.
- c. A sampling point for each connection to the public sewer.
- d. A sampling point for each discharge from a federally regulated categorical process.
- e. A sampling point for each discharge to a separate storm sewer or watercourse.
- 2. List each sampling point identified in 1.c, d and e above <u>and</u> each connection for which there is no sampling point. Assign a sequential reference number to each location, starting with No. 1. Attach additional sheets, if needed.

Reference Number	Sewer Size	Description of sewer sampling point or connection (Vent, manhole, valve, tank or other appurtenance. Indicate size and location)	Total Daily Average Flow (GPD)
1 2	·		from 12. 6.724 pm
3 4 5		MH 3'W from I'W corner of control only prilling	70.00

SECTION E - WASTEWATER INFORMATION

 For each point listed in D.2 above, list the wastewater discharge corresponding to <u>each</u> water usage listed in Section C.6. Attach additional sheets, if needed.

1	Discharge C	Quantity (G	PD) for	each san	npling p	oint or co	nnectior	n listed in	D.2	Facility Total
Type of Wastewater	001	2		3		00 4		5		(See instr.)
a. Sanitary	34000					400	0			38600
b. Irrigation & lawn watering	 									
c. Non-contact cooling water	16.1				-				,	
d. Contact cooling water										
e. Process (From C.8)				***************************************						
Howard harry	30000					30	00			30000

			<u>`</u> -					***************************************		***************************************
f. Plant & equipment washdown	11 >-									16.30
g. Boiler blowdown	-16 Ro	***************************************				***************************************				1620
Regeneration waste (C.5)	× 1410									1600
Totals (Same as D.2):	7.797	***************************************				700	0	***************************************		74021
Totals (Same as D.2).	(1) (1)	•								-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
If any of the above points disc	harge to a wa	atercours	e or to a	a separa	te stori	n sewer.	compl	ete the f	ollowine	a:
NPDES Outfall Number	go 10 a 11.		: :- :			,	,			.
NPDES Permit Number	44-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-							***************************************		
THE DEG FORTING MAINTEN		***************************************				***************************************		-		
Do any of the above sampling	points also d	convey sto	ormwate	er from y	your pre	emise?				
	¶Yes ∏No			[] Yes		[] Yes	[] No	[] Yes	[] No	
		ŭ	_	_		•	_	_	_	
			ih any c	of the ah	ove po	ints?		•		
Do you pretreat any of the wa	stes discharg	jea inroug	ni any c	,						
Do you pretreat any of the wa	stes discharg [] Yes [] No		•		[] No	Yes	[] No	[] Yes	[] No	

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SEC	CTION D - SEWER CONNECTION INFORMATION	
	Attach a scale drawing of your premise which shows: a. All buildings, structures, alleys, streets and other pertinent features. b. All sewers and drains, including all connections, inlets, manholes, vents identify each sewer as sanitary, storm or combined and indicate its size. c. A sampling point for each connection to the public sewer. d. A sampling point for each discharge from a federally regulated categoric e. A sampling point for each discharge to a separate storm sewer or water	al process.
2.	List each sampling point identified in 1.c, d and e above and each connection for Assign a sequential reference number to each point, starting with No. 1. Attack	n additional sheets if needed.
إ المعالمة	Reference Sewer Size Description of sewer sampling point or connection (Vent, manhole valve tank or other appurtenance. Indicate size	
	1 24 Manhole in Vista Ave. Sidewolk, NE Corner of Propo	· / . · · · · · · · · · · · · · · · · ·
	2 B" Vent on Porking Lot, west side of Clema Office	e 614g. 1700
	3	
		Name of the second seco
SEC	CTION E - WASTEWATER INFORMATION For each point listed in D.2 above, list the wastewater discharge corresponding t Attach additional sheets if needed.	o <u>each</u> water usage listed in Section C.6.
	Type Wastewater Discharge Quantity (GPD) for each sampling point or conne	ction listed in D.2 Facility Total.
		Citori nated in Diz
	Main Office 2 day. 3 4	5 (See Instructions)
	a. Sanitary 52017 1300	53717
	b. Irrigation & Lawn Watering	
		- Col
		488
	d. Contact Cooling Water	
	e. Process (From C.8)	206-
	Surg. Ops 3297.	3297
	Food Prep 6574	
. پېښوند	and the state of t	The same of the sa
		*** **********************************
	f. Plant & Equipment Washdown	
	g. Boiler Blowdown	
	h. Other ()	<i>a</i> ao
	Totals (Same as D.2) <u>62.596</u> 1706	(04296
2.	If any of the above points discharge to a watercourse or a separate storm sewe	r, complete the following:
	NPDES Outfall Number	RE
	NPDES Permit Number	
		JAN 2 8 2000
3.	Do any of the above sampling points also convey stormwater from your premise	? \ Z000 }
	[] Yes [[No] No [] Yes [] No [INVIONMENTAL Compt
	Do you make a dear of the year to discharged the court of the charge of the	Property of the second of the
4.	Do you pretreat any of the wastes discharged through any of the above points? [] Yes [] No [] Y	· ' /
		II 140 II 140
	Silver Revovery	
3/96	Page 4	
	The state of the s	MSD 036538
		MOD 0300

Company Name:__ Premise Address:_ Account Number:_

1445 So. Gran 41121954-00

u.	en e			Company Nan	ne: O) NAL ess: 1465 S	CARONO	CHILDREAS
					:ss. <u> #69 </u>		(U)
СТІО	N D - SEWER CONNEC	TION INFORM	ATION				
	. \						
Att	tach a sèale drawing of y a. All bùildings, structu			nortinent feet	ros		
	 b. All sewers and drain identify each sewer c. A sampling point for 	ns, including all as sanitary, sto	connections, m or combin	inlets, manhol ed and indicat	es, vents and o	ther access	or control structures
	d. A sampling point for				categorical prod	ess.	
	e. A sampling point for						
	st each sampling point ide sign a sequential referen						
	. Reference Sewer Size		-	sampling point or o			tal Daily Average Flow
	Number (inches)				onnection idicate size and loca		(GPD)
	1 24"				arner offe		32256
	2 80 H	DRE ON PAR	KING LOT, W	ST SIDE OF	Greadow Off	ie & Blog	858
	3						
	4						· .
					Total Control of the		·
CTIO	NE - WASTEWATER	NFORMATION					
	r each point listed in D.2 tach additional sheets if n		astewater dis	scharge corres	oonding to <u>each</u>	water usage	listed in Section C.6
	Type Wastewater	Discharge Qua	antity (GPD) for	each sampling poi	nt or connection liste	ed in D.2	Facility Total.
		MAIN	OFFICE BLDG	3	4	. 5	(See Instructions)
a.	Sanitary	28600	156	,	en approprietation of the state		033000000000000000000000000000000000000
b.	Irrigation & Lawn Watering	2170	\(\text{\text{particles}}\)		vogganginadah disabilan tenggan da sid	-	
C.		n 1160		\			
٠.	Non-Contact Cooling Water	0488	*		**************************************		
	Contact Cooling Water	<u> </u>				And the second s	The state of the s
d.	•		***************************************	<u></u>			Transport Control of the Control of
d.	Contact Cooling Water	1836					Total Array a
d.	Contact Cooling Water						
d.	Contact Cooling Water						Total Annual Control of the Control
d.	Contact Cooling Water						Total Action
d. e.	Contact Cooling Water Process (From C.8)						
d. e.	Contact Cooling Water Process (From C.8) Plant & Equipment Washdown						
d. e. f. F	Contact Cooling Water Process (From C.8) Plant & Equipment Washdown Boiler Blowdown						
d. e. f. F g.	Contact Cooling Water Process (From C.8) Plant & Equipment Washdown Boiler Blowdown Other ()						
d. e. f. f g. h.	Contact Cooling Water Process (From C.8) Plant & Equipment Washdown Boiler Blowdown Other () Regeneration Waste (C.5)						
d. e. f. f g.	Contact Cooling Water Process (From C.8) Plant & Equipment Washdown Boiler Blowdown Other ()		858				
d. e. f. F g. h.	Contact Cooling Water Process (From C.8) Plant & Equipment Washdown Boiler Blowdown Other () Regeneration Waste (C.5)	32494	etandiptikani titikanna tilippitikani matema	r a separate sto	orm sewer, com	plete the following	owing:
d. e. f. F g. h.	Contact Cooling Water Process (From C.8) Plant & Equipment Washdown Boiler Blowdown Other () Regeneration Waste (C.5) als (Same as D.2)	32494	etandiptikani titikanna tilippitikani matema	r a separate ste	orm sewer, com	plete the foll	owing:
d. e. f. F g. h. I	Contact Cooling Water Process (From C.8) Plant & Equipment Washdown Boiler Blowdown Other () Regeneration Waste (C.5) als (Same as D.2) any of the above points described to the cooling of the cooling water (C.5)	32494	etandiptikani titikanna tilippitikani matema	r a separate sto	orm sewer, com	plete the foll	owing:

Type Wastewater	Discharge Qu MAIN	uantity (GPD) for OFFICE 2 BLD		int or connection lis	sted in D.2	Facility Total. (See Instructions)
 a. Sanitary b. Irrigation & Lawn Watering c. Non-Contact Cooling Water d. Contact Cooling Water 	2170 2170 0488	<u>156</u>	\			The state of the s
e. Process (From C.8)	1836					
f. Plant & Equipment Washdown g. Boiler Blowdown h. Other (\(\frac{1}{2}\)		
Regeneration Waste (C.5) Totals (Same as D.2)	32494	858	***************************************		\ <u></u>	4
If any of the above points NPDES Outfall Number NPDES Permit Number	discharge to a	watercourse o	r a separate st	orm sewer, con		/
Do any of the above samp	ling points also	convey storm	water from you [] Yes [] No	[] Yes [] No	[] Yes [] No	RECEIN OCT 29 19
Do you pretreat any of the	wastes dischar	rged through a	any of the abov	ve points?	II Voc II No	Mirc.mantal Sca.ph

2.

4	y			Company Name		(Jenna (h. Idrois Hosp.
	The many the second sec			Premise Addres		465 So. C	
	\			Account Numbe	or: <u>41</u>	121954-00	
SEC.	TION D - SEWER CONNECT	TION INFORM	ATION		•		
1.	Attach a scale drawing of yo	ur premise wh	ich shows:		t		
	a. All buildings, structur b. All sewers and drain Identify each sewer a c. A sampling point for d. A sampling point for e. A sampling point for	es, alleys, strees, including all as sanitary, stoleach connections ach discharge	ets and other connections, or combine on to the public from a feder	inlets, manholes ed and indicate ic sewer. ally regulated ca	s, vents and ot its size. ategorical proc	ess.	control structures.
		. •	•				
2.	List each sampling point ide						
	Assign a sequential reference	e number to e	ach point, stai	ting with No. 1.	Attach addition	onai sneets ii	neeaea.
	Reference Sewer Size	Descr	iption of sewer sa	ampling point or cor	nection		Daily Average Flow
r roma w				appurtenance. Indi			(GPD)
			/	K, NE CORNER OF			858
		ule or park	ing lat west	side of Gleno	1 Office Build	"5 —	978
	3	. 	***************************************			conserver representation and the conserver con	
			najarikan kating ng pagang ng pagang ng pagang ng pagang na pagang na pagang na pagang na pagang na pagang na	-			
			\		V		
3EC 1.	TION E - WASTEWATER II For each point listed in D.2 a Attach additional sheets if no	bove, list the w	•	charge correspo	onding to each	water usage li	sted in Section C.6.
	Type Wastewater	Discharge Qui	antity (GPD) for e	ach sampling point	or connection lists	nd in D.2	Facility Total.
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Main	OFFICE	Δ.			•
		1	2 Bldg.	3	4 .	5	(See Instructions)
	a. Sanitary	28000	858				
	b. Irrigation & Lawn Watering	2170	van-unomaticionnadadiffannamu-uno	-	(Section of the Section of the Secti		Children and Child
	c. Non-Contact Cooling Water	8840	***************************************			annuar annuar annuar ar a' annuar annuar	· · · · · · · · · · · · · · · · · · ·
	d. Contact Cooling Water		description for the second second		A STATE OF THE PERSON NAMED IN COLUMN 1 IN COLUMN 1		**************************************
	e. Process (From C.8)						**************************************
	,	1598					
	waaqaaaaqaaanaaaaaaaaaaaaaaaaaaaaaaaaaa	annysa diagnica manan-ilianipogyto			***************************************		AntiAntido Antigra (Participa de Caracida
	**************************************			***************************************	<u> </u>	eningengga dan mindikkiliki kirindaki	Applipment and an account to the second
	The state of the s	The second second	0	L _ L			NORTH CONTROL OF THE PROPERTY
			·	· · · · · · · · · · · · · · · · · · ·		and the same of th	
	f. Plant & Equipment Washdown	in the state of th		Old Berkenster der bereicht Wille auf der			,
	g. Boiler Blowdown	OSSESSED VICTORIA DE LA CONTRACTORIA DE LA CONTRACT					
	h. Other ()						***************************************
	Regeneration Waste (C.5)						
	Totals (Same as D.2)	32256	858		-groupsgrojpeissiski 200 oktoors	ļ	
		•					
2.	If any of the above points di	scharge to a w	atercourse or	a separate stor	m sewer, comp	olete the follow	wing:
	NPDES Outfall Number	-		-		·	
	NPDES Permit Number		**	ASSESSOREMENT	1.		the state of the s
	•	- AND		vasasasasasasas-s-serrasresnrae	on and the second secon	14	ECEIVEL
3.	Do any of the above sampling	ng points also	convey storm	water from your	premise ?	\	DEC O.O. see
	,	[] Yes [] No	[] Yes [] No	[] Yes [] No	[] Yes [] No	[] Yes [] No	BEC 2 9 1999
А	Do you protocot any of the	unatas disaba	and thraceh a	nu of the chair	nointe?	Fnvi	innmantol Commission
4.	Do you pretreat any of the v	vastes discharç [] Yes [] No	jea inrougn a [] Yes [] No	ny of the above [] Yes [] No	points:	[] Yes [] No	ironmental Complianve
		1	[] 145 [] 140	li tea li 140	n reallier	11 .35 [] NO	**************************************
	SEE PG AS	DAD 112	E100				٠,
3/96	parties 1 V1 1		O Par	ge 4			

Company Name:	DAMAL GLENDON CHURREN'S	MOSI
Premise Address:		/
Account Number:	41121954-00	

SECTION E - WASTEWATER INFORMATION (Cont'd)

5.	Describe the type of wastewat	er pretreatment you	employ prior to each point for which	you marked "Yes" in E.4:
	Point No.	recovery equip	Pretreatment System Description	RECEIVED
				UCT 2 9 1909
6.	Does your facility have: a. A spill control plan? b. A weste minimization plan?	Ves [] No	c. A solvent management plan?	Ul Yes [] No.

- 7. If any wastewater analyses have been performed on the wastewater discharges from your facility attach copies of the most recent data. Be sure to specify the locations from which the samples were collected. Attach sketches, plans, drawings, etc. as necessary.
- 8. Priority Pollutant Information: Check <u>one</u> of the four boxes by <u>each</u> listed chemical to indicate whether it is:
 "Suspected Absent", "Known Absent", "Suspected Present", or "Known Present" <u>ON YOUR PREMISE</u>.
 Any chemical which is used in your manufacturing or service activity or is generated as a product or as a by-product should be marked "Known Present". Some pollutants are known by other names. Refer to the instruction booklet for those pollutants which have an asterisk (*).

	SA = "Suspected Absent"	κ	A = "Kn	own Abs	ent"	SP	= "Suspected Present"	KP = "Kn	own Pres	ent" ·	
EM					1.0%	ITEM	DD(ADIT/ DALL LITALIT				
O.	PRIORITY POLLUTANT	SA	, KA	SP	KP	NO.	PRIORITY POLLUTANT	SA	KA	SP	K
1. (asbestos (fibrous)	D	0	0	0	39. t	oromoform *	[]	0	0	[
2. (cyanide (total)	0	9	0	()	40. k	oromomethane *	[]	Ø	()	(
	antimony (total)		9	0	0	41. 4	I-bromophenylphenyl ether	[]	Œ	()	
	arsenic (total)		0	0	()	42. t	outylbenzyl phthalate	[]	9	()	
5. I	peryllium (total)	0	U	0	0	43. c	:arbon tetrachloride *	[]	. 8	()	-
ì. (cadmium (total)	Ü	Ø	Ö	0	44. c	:hlordane	[]	Ú	()	ĺ
7. (chromium (total)	B	Ñ	Ö	0	45. 4	l-chloro-3-methylphenol *	[]	a	0	(
3. (copper (total)	ñ	Ï	ñ	ñ	46. c	:hlorobenzene	[]	Ð	Ō	ĺ
). I	ead (total)	ň	Ö	ñ	ñ	47. c	chlorethane *		ñ	ñ	Í
	mercury (total)		ħ	ĬĬ	ŭ	48. 2	2-chloroethylvinyl ether	ii	Ĭ	ĬĬ	Ì
	nickel (total)		ä	Ĭĺ	il		:hloroform *		ñ	ň	Ì
	selenium (total)		Ĭ	ii	ří		:hloromethane *		ÌÍ	ii	Ì
	silver (total)		ä	ň	H		2-chloronaphthaiene		lá	ří	- 1
	thallium (total)		K	H	R	52 2	2-chlorophenol *	H	ĸ	Ħ	
	zinc (total)		ä	Н	H	53. 4	-chlorophenylphenyl ether	H	Н	H	
	acenaphthene		ä	H	H		:hrysene *		ä	H	
	acenaphthylene		H	H	n		,4'-DDD *		H	h	
	acrolein		H	H	H	56. 4	,4'-DDE *	H	H	H	
	acrylonitrile		K	H	Н	57 A	,4'-DDT *	H	H	H	
).).	addin	Н	W	Н	И				Ц	Н	
	aldrin	Ц	y	Н	Ų.		dibenzo (a,h) anthracene *		H	H	
	anthracene	IJ	¥	Ц	И		libromochloromethane *		Я	. U	
	benzene	Ц	¥	Ц	IJ		,2-dichlorobenzene *		¥	II.	
3.	benzidine	U	¥	ĮĮ.	ij		,3-dichlorobenzene *		Ų	Ц	
	benzo (a) anthracene *		Ŋ	IJ	U		,4-dichlorobenzene *		Ų.	<u>II</u>	
	benzo (a) pyrene	[]	IJ	[]	[]		3,3'-dichlorobenzidine	[]	y	IJ	
	benzo (b) fluoranthene	IJ	ij	U	Ω	64. F	Reserved				
۲.	benzo (g,h,i) perylene *	l)	0	IJ	()		,1-dichloroethane *		U	[]	
	benzo (k) fluoranthene *		Q	0	0		,2-dichloroethane *		a	()	
).	alpha-BHC	0	Q	0	0		,1-dichloroethene *		Ø	()	
).	beta-BHC	0	ρ	Ö	Ö	68. t	rans-1,2-dichloroethene *	()	Ú	Ō	
	delta-BHC	0	Ø	0	0	69. 2	2,4-dichlorophenol	[]	A	Ü	
2.	gamma-BHC *	Ö	ā	()	Ö	70. 1	,2-dichloropropane *	[j	Ä	Ö	
3.	bis (2-chloroethyl) ether *	Õ	Ũ	ij	Ö	71. (cis & trans) 1,3-dichloropropene *	<u>(</u> 1	ň	ñ	
	bis (2-chloroethoxy) methane *	ñ	Ä	ii	li		lieldrin		Ĭ	ii	
5.	bis (2-chloroisopropyl) ether *	ří	й	li	ří		liethylphthalate *		i	ň	
6.	Reserved	LJ	Ħ	U	บ		2,4-dimethylphenol *		. 1	Н	
	bis (2-ethylhexyl) phthalate	n	B	n	n		limethyl phthalate		ä	n	
3.	bromodichloromethane *	h	H	0	O		li-n-butyl phthalate		H	H	
	MAINT LANGUAGE BANK AND A GARAGE CONTRACTOR OF THE CONTRACTOR OF T	u	8	U	U	70. C	rrruuy: piiiikuuto	[]		nued on 1	-

	NE"	P		/
Company Name:	ALDINAL	GLENWON	J L MIL	DREWS HOSE
Premise Address:	1465	SO BRO	and _	<i>V</i>
Account Number:	41121	1954-0	0	

SECTION E - WASTEWATER INFORMATION (Cont'd)

	ity Pollutant Information (Cont'd) SA = "Suspected Absent"		KA =	: "Knowi	n Absent"		SP = "Suspected Present"	KP =	"Known	Present	
TEM VO.	PRIORITY POLLUTANT	SA	KA	SP	KP	ITEN NO.	PRIORITY POLLUTANT	SA	KA.	SP	к
77.	di-n-octyl phthalate *	0	4	0	0	103.	4-nitrophenol *	<u>g</u>		ņ	ָחָ מָ
78.	4,6-dinitro-2-methylphenol *	g		Ŋ.	<u>Q</u> _		N-nitrosodimethylamine *	H		Н	
79.	2,4-dinitrophenol	Ω	U,	ĮĮ.	ij.	105.		H	4	Н	H
80.	2,4-dinitrotoluene	U	1	Ų	ij	100.	N-nitrosodiphenylamine		410	H	: 14
81.	2,6-dinitrotoluene	Ŋ.	11	Ц	· U	107.	PCB-1016 *		#	. H	Н
32.	1,2-diphenylhydrazine *	II .	W.	ĮĮ.	Ų					H	, · [
13 .	endosulfan *		رطلا	U	Ų	109.	PCB-1232 *	H		H	ŀ
И.	endoculfan II *	IJ		IJ	CHOOK I					H.	·
	endosulfan sulfate	Ų.	Ų.	Ų		111.	PCB-1254 *	H	TIP .	H	ŀ
36.	endrin	U	ħ.	Ų	ĮĮ.	112	POP 4000 *	H	#	Н	
37.	endrin aldehyde	ĮĮ.	1	Ų	Ц		PCB-1260 *			H	: }
38.	ethylbenzene	<u>u</u>	שו	IJ	Ų.	114.		··· !!		H	
39 .	fluoranthene	[]	W.	U	U		phenanthrene		Ħ	H.	
3 0.	fluorene *	0	QV .	[]	O O	116.		22	. !! _	ų.	4
91.	heptachlor	0	Dr.	0	<u>()</u>	117.	pyrene	N	W.	¥	<u> </u>
32.	heptachlor epoxide		W.	()	<u>O</u>		2,3,7,8-tetrachlorodibenzo-p-dioxin *		₩,	· IJ	` !
33.	hexachiorobenzene *	[]	O ₂	0	, ()		1,1,2,2-tetrachloroethane *	·· II		Щ	, }
34 .	hexachlorobutadiene	[]	W.	()	0	120.			W.	ļļ.	
3 5.	hexachlorocyclopentadiene *	[]	H.	()	0	121.			#	Щ	, إ
6.	hexachloroethane *	0	P.	0	0	122.			M.	Ц	ļ
7.	indeno (1,2,3-cd) pyrene *	1	P.	0	-[]	123.			Y,	Ц	ļ
38 .	isophorone *	()	Q ²	()	0,	124.		. <u>I</u>	M.	Ų	
29 .	methylene chloride *	0	112	0	4	125.	1,1,2-trichloroethane *		· 1	Ŭ	ļ
00.				[]	0 .	126.		, U		U	L
01.	nitrobenzene	ñ		Ű	0	127.					
02		ñ	(V	ñ	Ñ	128.	2,4,6-trichlorophenol	[]	0	- ()	[

For priority pollutants in E.8 which are indicated 1980own Present," list and provide the following data for each. Attach additional sheets if needed. Environmental Complianse

ITEM NO.	PRIORITY POLLUTANT	HOW USED	and the second s	ANNUAL USAGE (LBS)	LOSS TO SEWER (LBS/YEAR)	
10	MERCULES (CONTRINED) INTHERM	MOMEREZS)		0.1	0.0	
13	SILVER			UNKNOWA	0.00	
13 49 79	CHLORDFORM			30.0	0.0	
79	2.4 DINITRODUEROL			0.1	0.0	
85	ENDEIN TYBO LIAMR. JULIS	F62/7/00	************************************	0./	0.0	
99	METHYLENE CHLORIDE			5.0	00	
116	PHENOL			30.0	00/	
			***************************************	eggyprungsvegannouspennouspennouspennouspennouspennouspennouspennouspennouspennouspennouspennouspennouspennous	***************************************	
			* .	.4	######################################	
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etennogenenene	:					

* SILVER BROMIDE GENERATED IN BIOGNOSTIC IMAGING DEPT. IS RECOVERED & SOLD
TO CENTRAL STATES REFINING TO. FOUR SILVER RECOVERY UNITS ARE CURRENTLY INTER
* # 85 REMOVED FROM PREMICE WA MR JUND.

		Company Name Premise Address Account Number	ss: <u>1465</u>	CLEANURA CAUSA SO GRAND 54-00	gens A
TION F - NON-SEWERED WAS	TES				
Do you generate any liquid wast		e not disposed in	n the sewer svs	tem?	[] No
If "Yes" complete items 2 and 3 If "No," skip remainder of this s	below. Note: Be sure	to include wast	ewaters listed i	n Section C.7.c.	7
Information on non-sewered was					•
Illorriation on non-sewered was	Estimated Quantity		Store	Dispose	Disp
Type of Waste	Disposed/yr	Units	on-site	on-site	off-s
[] Acids and/or Alkalies		A0000000000000000000000000000000000000	0	0	D
H Equip. Oils and/or Grease	30	GALLONS	0	0	H
[] Infectious Waste	5.700	<u> 185</u>	0	0	GH
[] Inks/Dyes	with constitution of the c	***************************************	0	0	0
[] Kitchen/Food Service Greese	40000000000000000000000000000000000000	wide the control of t	1)	0	0
[] Organic Compounds		aubi0000000000000000000000	0	0	0
[] Paints or Paint Sludges	90000000	mananananananinihiki (SA)	0	0	-[]
[] Pesticides	**************************************	www.abanc.sppponnonnon	0	0	0
[] Pretreatment Sludges		-	1)	· D	0
[] Radioactive Waste		455550 Paragraphic	0	0	0
[] Solvents/Thinners			0	0	
[] Other			0	0	0
			0	0	0
			0	n	0
The following analytical informationly if your water usage exceeds	s 80 Ccf per month. R	epresentative sa	mples of the wa	astewater in each se	r (see C wer mu
collected and analyzed for the li		Sewer Number	(Refer to Section	on D.2)	
		f more than 5, at Concentration Fo		sneels) ng Point or Connect	ion
	1	2	3	4	5
Parameter (mg/l)					
Total Solids	191	-201574			
Total Suspended Solids	116		www.permin.movikita.ir/doctotototototototo	videndebnidens-initelitätiisistelitätätätätätätätätätätä	
Biochemical Oxygen Demand ₆	285	endocadhaan in ann all in an		pananananganianahalikkiikkiikkiikkii	
Chemical Oxygen Demand	519				
Flow (gpd)	essessificion estratorio Managemento		ooggegenennennennennendelikki		
	7-21-90	uddesdaudre (mg/my/gradgede annan	announced the state of the stat	- Andrew Control Contr	
Date Sampled	1-90-77	- Agreement - Agre	Marking and a second se		V
Time Sampled	7:30AN-4:30pm	100		Eva Si	/
Type of Sample				RECEN	
71	600AAA00000		***************************************	OCT 2 9 1	000
				_ • .	
				Environmental Con	nplianse

Page 7

MSD 036543

Address AVE, St. LOUIS, Mo 63/1 VE, St. LOUIS Mo.63
AVE, St. LOUIS, Mo 63/1 E, St. LOUIS Mo.63
E, St. LOWIS Mo.63
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4-368-4117
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i, including the possibility of
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CURITY
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4-268-4117
4-260-411
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RECEIVED OCT 2 9 1999

MSD 036544

Company Name: Premise Address:

. Name: <u>SSM</u>	Cardinal Glennon
ct #:	4/12 1954-00

OLDER CORRESPONDENCE

FROM

1996-1999

AND EARLIER

IS LOCATED

IN THE

OVERFLOW FILES

02-17-16 Moved to ARCHIVED PERMIT files.

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I:

Monitoring Period:

IDENTIFYING INFORMATION

Company Name: _	SSM CARDINAL GLENNONE HOSPITAL	ve.
Permit No:	41121954-00	
Premise Address:	1465 S. Grand Blvd., St. Louis, MO 63103-1095	

□(APR-JUNE)

☐(JULY-SEPT)

Samples Collected By: MIDWEST TESTING LABORATORIES INC

Analyses Performed By: MIDWEST TESTING LABORATORIES

ANALYTICAL RESULTS OF SELF MONITORING

□(JAN-MAR)

MSD SAMPLE POINT REFERENCE NUMBERS	>	00	1		004		000004-0400-04404-493	
DATES ON WHICH SAMPLES WERE COLLECTED	>	11	-17-04	11	-17-04			
TIMES AT WHICH SAMPLES WERE COLLECTED		7:1	5-3:15pm	7:3	0-3:30pm		2000000 A000 A00 A000 A000 A00000000000	
PARAMETER	LIMIT	85			i, C, M OR E) A =measured flow			נדואט
FLOW								
OIL & GREASE	200	G	20	G	12			mg/I
BOD	200	C	77	С	144		***************************************	mg/I
COD	****	<u></u>	206	C	362	 		mg/I
TOTAL SUSPENDED SOLIDS	****	С	76	C	468			mg/I
TEMPERATURE(Degrees C)	60	G	22.8	G	21.5			
pH (Std. Units)	5.5-1	G	7.49	G	7.54			
SILVER	.5	c_	0.02		< 0.01	1 1		mg/I
							989 A Barel & Balanta (apartaga para arang 188 - 188 - 188 - 188 - 188 - 188 - 188 - 188 - 188 - 188 - 188 - 1	
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						╝	 <u>2004</u>	

You must complete and sign the certification statements on the reverse side.

DIVISION OF ENVIRONMENTAL COMPLIANCE

PART III: SPECIAL CERTIF	ICATION S	TATEMENTS
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nermit a	on the special conditions contained in your dischar- and PLACE YOUR INITIALS IN THE BOXES NEXT contains no Special Conditions, then none of the c	T TO THOSE CERTIFICATIONS V	VHICH ARE APPLICABLE TO	YOUR FACILITY. If your
A.	If your permit special conditions waive monitoring	ig at any sample point(s) specified	in your permit, you are requi	red to make the following
	I certify, since the last discharge monito point(s)	oring report, there has been no cha	nge in the character of the wast	es discharged at sampling
В.	If your permit special conditions waive monitoring are required to make the following certification:			
	I certify, since the last discharge monitor connection points which are not specific		nge in the character of wastes	discharged at those active
C.	If your permit special conditions waive monitoring I certify, since the permit issue date, to points remain inactive and no discharge.	here has been no change in the	status of connection points ide	ollowing certification: ntified as inactive. These
۵.	If your permit special conditions authorize grab a make the following certification:	sample collection in lieu of compo-	site sampling at any sample po	pint(s), you are required to
	I certify the grab sample results in this	report accurately represent our	average daily discharge at sar	nple point(s)
€.	If your permit special conditions prohibit discharge to make the following certification:	e of wastes which are subject to ce	tain categorical pretreatment s	standards, you are required
	1 certify, since the last discharge mor standards in 40 CFR	_	discharge of wastes which a	re subject to pretreatment
F.	Discharges subject to Pharmaceutical Categorica at the Pharmaceutical sample point(s) subject to I certify; since the last discharge monit process subject to Categorical Standard	o the following certifications oring report, cyanide has not beer		
G.	Discharges Subject to Categorical Standards for Components (40 CFR 469) can be exempted to Components sample point(s) subject to the following	rom TTO monitoring only at the	Metal⊷Finishing (40 CFR 433) Electropiating, Metal Finishing	or Electrical & Electronic or Electrical & Electronic
	Based on my inquiry of the person or p organics (TTO). I certify that, to the wastewaters has occurred since filing to organic management plan submitted to	ersons directly responsible for ma best of my knowledge and beli- the last discharge monitoring repo	ef, no dumping of concentrat	ed toxic organics into the
PART	IV: GENERAL CERTIFICATION S	TATEMENTS		
Initial th	e box for statement A if it applies to you. Everyo	ne must complete the informat	ion under statement B and	sign this report.
A .	Discharges at sample points subject only to MSD In lieu of monitoring for TTO at sample toxic organics have been used at this p	e point(s)	, I certify that to the best of m	y knowledge and belief. no
B	DISCHARGE MONITORING REPORT CERTIF	ICATION		
designe who ma and beli	under penalty of Law that this document and all a d to assure that qualified personnel properly gath nage the system, or those persons directly responer, true, accurate, and complete. I am aware that this someone for knowing violations.	er and evaluate the information : sible for gathering the information	submitted. Based on my inqu the information submitted is,	iry of the person or persons to the best of my knowledge
Print or	type name of signing official: BUD F	rodoricH		
Title:	Furilities Manager		Telephone: 573-	5327
.	1) val /Frankout/		15/15/	nel

2

SMF 10/93





1465 S. Grand Boulevard • St. Louis, MO 63104-1095 (314) 577 5600 phone • www.cardinalglennon.com

November 1, 2004

Mr. Fabian T. Grabski Assistant Engineer Metropolitan St. Louis Sewer District 10 East Grand Avenue St. Louis, MO 63147-2913

RE: Third Quarter 2004 Radioactive Discharge Report

SSM Cardinal Glennon Children's Hospital

Dear Mr. Grabski:

Enclosed please find the Third Quarter of 2004 Radioactive Discharge Report as required. Please note that there were no discharges of radioactive material for any of the Cardinal Glennon laboratories for this time frame.

If you have any questions regarding this report, please contact Kevin Ferguson, Health Physicist for St. Louis University, at 577-8609 or myself at 268-6481.

Sincerely,

Dorothy (Dodie) Purcell

Director of Risk/Quality Management

Dodic Pencell

Enclosure

RECEIVED

THROUGH OUR EXCEPTIONAL HEALTH CARE SERVICES, WE REVEAL THE HEALING PRESENCE OF GOD.

RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

October 5, 2004

TO:

Ms. Dodie Purcell

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson AF

Health Physicist

Radiation Safety Office

SUBJECT:

Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance This statement applies for the period beginning July 1, 2004 and ending September 30, 2004.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 977-6896.

OF FLOW OF ENVIRONMENTAL GOVERNMENTS

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PLEASE READ THE	INSTRUC	TIONS BEFORE C	OMPLETING THIS	REPORT	Per X
PART I: IDENTIFYING INFORMAT	ПОИ			(Per X leds X DE X
Company Name: SSM CARDINAL (GLENNON	E HOSPITAL	W. M		DE -K
Permit No: 41121954-00		00000000000000000000000000000000000000			
Premise Address: 1465 S. Grand	Blvd	St. Louis, M	10_63103=1095		
Monitoring Period: □(JAN-MAR)		□(APR-JUNE)	JULY-SEF	PT) □(C	CT-DEC)
samples Collected By: MIDWEST TES				WF	
nalyses Performed By: MIDWEST TI	ESTING	LABORATORIES,	INC.	- The Day State of the State of	
ART II: ANALYTICAL RESULTS	OF SELF	MONITORING			
MSD SAMPLE POINT REFERENCE NUMBERS		001	002 004 100		
DATES ON WHICH SAMPLES WERE COLLECTED	>	09-02-04			
TIMES AT WHICH SAMPLES WERE COLLECTED		7:15-3:15pm	7:15-3¥15pm	6	
PARAMETER	LINIT	11	PES (G, C, M OR E) A te, M=measured flow,		UNITS
FLOW					
OIL & GREASE	200	24	1.7		mg/L
BCD	200 ****	45	36		mg/L
COD	****	80	68		mg/L
TOTAL SUSPENDED SOLIDS TEMPERATURE (Degrees C)	60	40	59		mg/I.
pH (Std. Units)	5.5-1	24.1 7.45	23.8		
SILVER	.5	0.01	7.92 0.01		mg/L
Ispoke to Bul Freduit - Explained permit more 03/29/04 mactivated co3 Four of oost. They et 002 on reports. Ulson a he stated sample mas to From own location. - Trey one to alect contrar to correctly identify S	fluse sked, taken tlabs Ps.			ECEIVE	
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DIVISION OF ENVIRONMENTAL COMPLIANCE

PART III: SPECIAL CERTIFICATI	N STATEMENTS
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oermit an	the special conditions contained in your discharge permit you may be required to certify one or more of the following. Please review your deplace YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your
permit co	ntains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.
Α.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
В.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification: I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D.	If your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to make the following certification:
	I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following-certifications. I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413); Metal-Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification: Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART I	: GENERAL CERTIFICATION STATEMENTS
Initial the	box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.
A. 	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification: In lieu of monitoring for TTO at sample point(s)
B. , .	DISCHARGE MONITORING REPORT CERTIFICATION
designed who mans and belief and impri	nder penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons get the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine somment for knowing violations. The name of signing official: Bup Frederich The penalty of the person or submitted. Bup Frederich The name of signing official:
Title:	Faculity Manager Telephone: 577-5327
Signature	Berel Frederick Date: 9-13-04

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MSD 036552

SMF 10/93

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

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SSM CAPDINAL GLENNONS CHUDREN'S MOSPICE 1465 S. Grand Boulevard St. Louis, Missouri 63403-1095

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SAMPLE WASTE WATER

SAMPIACO : Sample Point Ref. Number 37.

Wash Water Charles as to read a

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Server Point F. S. Comb. 002

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RESIDENCE OR PARTS PER MELLEY DIT

ANALYTE	# 601	# 002	MOL	METHOD DUMBER
a) ! Grease	24	17	5	1664
800	45	36	10	405 1
COD	80	68	10	4101
795	40	59	5	160.2
Temperature (Degrees C)	24,1	23.8	01	150
OH (Stat Charts)	7.45	79-	0.02	120,1
Silver	10.01	1001	0.01	272.1

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1465 S. Grand Boulevard • St. Louis, MO 63104-1095 (314) 577 5600 phone • www.cardinalglennon.com

July 2, 2004

Mr. Fabian T. Grabski Assistant Engineer Metropolitan St. Louis Sewer District 10 East Grand Avenue St. Louis, MO 63147-2913

RE: Second Quarter 2004 Radioactive Discharge Report

SSM Cardinal Glennon Children's Hospital

Dear Mr. Grabski:

Enclosed please find the Second Quarter of 2004 Radioactive Discharge Report as required. Please note that there were no discharges of radioactive material for any of the Cardinal Glennon laboratories for this time frame.

If you have any questions regarding this report, please contact Kevin Ferguson, Health Physicist for St. Louis University, at 577-8609 or myself at 268-6481.

Sincerely,

Dorothy (Dodie) Purcell

Dodie Pencell

Director of Risk/Quality Management

Enclosure

RECEIVED

JUL 0 8 2004

THROUGH OUR EXCEPTIONAL HEALTH CARE SERVICES, WE REVEAL THE HEALING PRESENCE OF ENVIRONMENTAL COMPLIANCE

RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

July 2, 2004

TO:

Ms. Dodie Purcell

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson 2/2 Health Physicist Radiation Safety Office

SUBJECT:

Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

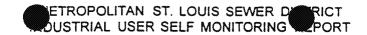
As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories overwhich the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning April 1, 2004 and ending June 30, 2004.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 977-6896.

RECEIVED

JUL 0 8 2004

DIVISION OF ENVIRONMENTAL COMPLIANCE



PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I:

IDENTIFYING INFORMATION

SSM CARDINAL GLENNONE HOSPITAL Company Name: _ 41121954-00 Permit No: Premise Address: 1465 S. Grand Blvd. St. Louis, MO 63103-1095 (APR-JUNE) □(JULY-SEPT) □(JAN-MAR) □(OCT-DEC) Monitoring Period: Samples Collected By: MIDWEST TESTING LABORATORIES Analyses Performed By: MIDWEST TESTING LABORATORIES

PART II: ANALYTICAL RESULTS	OF SELF	MON	TORING	->	004 VIA, MR	FR	EDERICH.	
MSD SAMPLE POINT REFERENCE NUMBERS	>	00) 1 🗸	Y	003/-			
DATES ON WHICH SAMPLES WERE COLLECTED	>	06-	-09-04	69	0/6-10'04			
TIMES AT WHICH SAMPLES WERE COLLECTED		7:0	00-03:00p	07	7:15 am			
PARAMETER	LIMIT	14			S, C, M OR E) AN =measured flow,			UNITS
FLOR								
OIL & GREASE	200		12		19		20000000000000000000000000000000000000	mg/L
BOD	200		107		196		uddaududdaacaacaaaaaaaaaaaaaaaaaaaaaaaa	mg/L
' COD	****		180		342		питибининициой/Абоч/инидиициологиологиологи	mg/L
TOTAL SUSPENDED SOLIDS	***		50		167		:G0000000-00FRG00000000006G4A00000-****	mg/L
TEMPERATURE(Degrees C)	60		20.8		21.3		poljanja i kravaja nagrada Ganaka krava na Gali (1800 1804 180 1800 1800 1800 1800 1800 1	_
pH (Std. Units)	5.5-1		7.33		8.40		p.000-040-0-040-04-000-000-000-000-04000-04000-04000-04000-04000-04000-04000-04000-04000-04000-04000-04000-04	
SILVER	.5		0.06		0.03		,000000.000000000000000000000000000000	mg/L
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You must complete and sign the certification statements on the reverse side.

DIVISION OF **ENVIRONMENTAL COMPLIANCE**

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PART III: SPECIAL CERTIFIC ON STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following. Please review your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.

A.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
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F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following-certification: I certify; since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439;
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413). Metal-Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification: Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO). I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART	IV: GENERAL CERTIFICATION STATEMENTS
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В.	DISCHARGE MONITORING REPORT CERTIFICATION
designed who mar and belice and impi	under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system of to assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons nage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge of, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine risonment for knowing violations. Type name of signing official: Bud Frederi'CH
Title:	Facilities Manager Teléphone: 577-5327
Signatun	e: Burl Frederick Date: 6-21-04
	·

SMF 10/9

SSM Cardinal Glennon Children's Yospital

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1465 S. Grand Boulevard • St. Louis, MO 63104-1095 (314) 577 5600 phone • www.cardinalglennon.com

June 14, 2004

Mr. Fabian T. Grabski Assistant Engineer Metropolitan St. Louis Sewer District 10 East Grand Avenue St. Louis, MO 63147-2913

RE: First Quarter 2004 Radioactive Discharge Report

SSM Cardinal Glennon Children's Hospital

Dear Mr. Grabski:

Enclosed please find the First Quarter of 2004 Radioactive Discharge Report as required. Please note that there were no discharges of radioactive material for any of the Cardinal Glennon laboratories for this time frame.

If you have any questions regarding this report, please contact Kevin Ferguson, Health Physicist for St. Louis University, at 577-8609 or myself at 268-6481.

Sincerely,

Dorothy (Dodie) Purcell

Dodin Puncell

Director of Risk/Quality Management

Enclosure

RECEIVED

IUN 17 2004

DIVISION OF ENVIRONMENTAL COMPLIANCE

THROUGH OUR EXCEPTIONAL HEALTH CARE SERVICES, WE REVEAL THE HEALING PRESENCE OF GOD.

RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

April 6, 2004

TO:

Ms. Dodie Purcell

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson

Health Physicist

Radiation Safety Office

SUBJECT:

Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning Jan. 1, 2004 and ending March 31, 2004.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.



Metropolita St. Louis Se District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

May 12, 2004

Dodie Purcell Director of Risk/Quality Management SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104

RE:

NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at:

1465 S. Grand Boulevard

Dear Mr. Purcell:

Under the terms and conditions of the above referenced permit, you are required to self-monitor your radioactive discharge to the municipal sewer. The results are to be reported quarterly. Your radioactive report for first quarter was due by April 28, 2004.

VIOLATIONS OF PERMIT TERMS/CONDITIONS:

Although the District received your fourth quarter self-monitoring report on March 12, 2004, the first quarter radioactive discharge report has not been received by the District. This is in violation of permit standard condition I.A.1 and permit special condition II.A.1 which require sampling and analyses for all regulated substances at the frequencies specified in your permit. Since no report was submitted, you did not satisfy the first quarter's reporting requirements.

REQUIRED ACTION/RESPONSE:

Submit the first quarter 2004 radioactive discharge report and a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your first quarter radioactive discharge report and corrective action response by June 1, 2004.

If you have any questions, please contact me at 436-8756.

Sincerely

ETROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

pc: Suspense file

cc: Douglas Mendoza Permit file

METROPOLITAN ST. LOUIS SEWER DISCRICT INDUSTRIAL USER SELF MONITORING REPORT

PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

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IDENTIFYING INFORMATION

Company Name:	SSM CARDINAL GLE	NNONE HOSPITAL	***************************************		
Permit No:	41121954-00				
	1465 S. Grand Bl	vd St. Louis, M	0 63103-1095		
Monitoring Period:	(JAN-MAR)	□(APR-JUNE)	□(JULY-SEPT)	□(OCT-DEC)	
Samples Collected	By: MIDWEST TESTI	NG LABORATORIES,	INC.		
Analyses Performe	Analyses Performed By: MIDWEST TESTING LABORATORIES, INC.				
PART II: AN	ALYTICAL RESULTS OF	SELF MONITORING	•		

PART II: ANALYTICAL RESULTS		· · · · · · · · · · · · · · · · · · ·	garanten gar
MSD SAMPLE POINT REFERENCE NUMBERS	>	0×2 00A FG	
DATES ON WHICH SAMPLES WERE COLLECTED	<u> </u>	3-18/3-19'04	
TIMES AT WHICH SAMPLES WERE COLLECTED		б:45 а.m.	
PARAMETER	LIMIT	RECORD SAMPLE TYPES (G, C, M OR E) AND RESULTS BELOW G=grab, C=composite, M=measured flow, E=estimated flow	UNITS
FEOW			
OIL & GREASE	200	11	mg/L
BOD	200	79	mg/L
COD	****	104	mg/L
TOTAL SHSPENDED SOLIDS	****	197	mg/L
TEMPERATURE(Degrees C)	60	18.9	
pH (Std. Units)	5.5-1	8.14	
SILVER	.5	0.02	mg/L
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You must complete and sign the certification statements on the reverse side.

SPECIAL CERTIFICATION STATEMENTS PART III:

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PART	IV: GENERAL CERTIFICATION STATEMENTS
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8.	DISCHARGE MONITORING REPORT CERTIFICATION
designe who ma and bel	under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a systemed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons anage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge lief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine prisonment for knowing violations.
	type name of signing official: 15 ud Frederich
mint of	For litie Mane 1501: Telephone: 577-532)
Fitle:	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Signatu	sire: Suel Fulfillia Date: 7-3 0/
	7

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: March 31, 2004 Lab. No.: 2004MT0072 Invoice No.: 240157

SSM CARINAL GLENNONS CHILDREN'S HOSPITAL

1465 S. Grand Boulevard

St. Louis, Missouri 63104-1095

TO =

ATTENTION: Mr. Bud Frederich

REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE LD. : Sample Point Ref. Number: 002 Waste Water Grab, 06:45 a.m. / 03-18-04

DATE ANALYZED: 03-23-04

RESULTS: ug/L OR PARTS PER BILLION (PPB)

METHOD: VOLATILE ORGANICS EPA 600 METHOD 624

ANALYTE	002	MDL
1,1,1,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
1,1-Dichloro-2-propanone	ND	5.0
1,1-Dichloroethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0
1,1'-Oxybis-ethane	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,2-Dibromoethane	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dichloropropane	ND	5.0
1,3,5-Trimethylbenzene	ND.	5.0
1,3-Dichlorobenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,4-Dichloro-2-butene	ND	5.0
1-Chlorobutane	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Butanone	ND	10.0

RECEIVED

Page 1 of 3

APR 5 6 2004

DIVISION OF CAIVIRONMENTAL COMPLIANCE

2645 Gravois Avenue • St. Louis. MO 63118 • (314) 773-3035 • FAX (314) 773-3519

<u>iravois Avenue • St. Louis</u>	. MU 03118	• (3)4) //3-3
ANALYTE	002	MDL
2-Chlorotoluene	ND	5.0
2-Hexanone	ND	5.0
2-Nitropropane	ND	5.0
2-Propenic acid, methyl ester	ND	5.0
2-Methoxy-2-Methylpropane	ND	5.0
4-Chlorotoluene	ND	5.0
4-Methyl-2-pentanone	ND	5.0
Acetone	ND	5.0
Acrolein	ND	100.0
Acrylonitrile	ND	5.0
Allyl chloride	ND	5.0
Benzene	ND	5.0
Bromobenzene	ND	5.0
Bromochloromethane	ND	5.0
Bromodichloromethane	ND	5.0
Bromoform	ND	5.0
Bromomethane	ND	5.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroethane	ND	5.0
Chloroform (LP)	ND	10.28.6
Chloromethane	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Dibromochloromethane	ND	5.0
Dibromomethane	ND	5.0
Dichlorodifluoromethane	ND	5.0
Ethyl methacrylate	ND	5.0
Ethylbenzene	ND	5.0
Heptane	ND	5.0
Hexachlorobutadiene	ND	5.0
Hexachloroethane	ND	5.0
Hexane	ND	-5.0
Iodomethane	ND	5.0
Isopropylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
Methacrylonitrite	ND	5.0
Methyl Methacrylate	ND	5.0
Methylacrylate	ND	5.0

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DIVISION OF ENVIRONMENTAL COMPLIANCE

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

ANALYTE	002	MDL
Methylene chloride (KP)	ND	10 = 01
n-Butylbenzene	ND	5.0
n-prppylbenzene	ND	5.0
Naphthalene	ND	5.0
Nitrobenzene	ND	5.0
o-Xylene	ND	5.0
p-isopropyltoluene	ND	5.0
Pentachloroethane	ND	5.0
Propionitrile	, ND	5.0
sec-Butylbenzene	ND	5.0
Styrene	ND	5.0
tert-Butylbenzene	ND	5.0
Tetrachloroethene	ND	5.0
Tetrahydrofuran	ND	5.0
Toluene	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
trans-1,4-Dichloro-2-butene	ND	5.0
Trichloroethene	ND	5.0
Trichlorofluoromethane	ND	5.0
Vinyl acetate	ND	5.0
Vinyl chloride	ND	5.0

ND: Not Detected / MDL: Method Detection Limit

Identification of tested specimens prvided by the client.

MIDWEST TESTING LABORATORIES, INC.

DINESH N. SHAH

Laboratory Manager

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DIVISION OF ENVIRONMENTAL COMPLIANCE

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: March 31, 2004 Lab No.: 2004MT0072 Invoice No.: 240157

SSM CARINAL GLENNONS CHILDREN'S HOSPITAL 1465 Grand Boulevard

St. Louis, Missouri 63104-1095

ATTENTION: Mr. Bud Frederich

REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE I.D. : Sample Point Ref. Number: 002 Waste Water Grab, 06:45 a.m. / 03-18-04

DATE ANALYZED : 03-26-04

METHOD REF. : EPA 600 METHOD 625 RESULTS: mg/L OR PARTS PER MILLION (PPM)

SEMI - VOLATILE ORGANICS

ANALYTE	002	MDL
bis- (Chloromethyl) – ether	ND	0.010
Pyridine	ND	0.010
Aniline	ND	0.010
Benzyl alcohol	ND	0.010
Phenol (P)	ND	0,010 4.01
2-Chlorophenol	ND	0.010
bis-(2-Chloroethyl) ether	ND	0.010
N-nitrosodimethylamine	ND	0.010
bis- (2-Chloroisopropyl) ether	ND	0.010
N-Nitroso-di-n-propylamine	ND	0.020
1,3-Dichlorobenzene	ND	0.010
1,4-Dichlorobenzene	ND	0.010
1,2-Dichlorobenzene	ND	0.010
o-Cresol	ND	0.010
m,p-Cresol	ND	0.010
Hexachloroethane	ND	0.010
Nitrobenzene	ND	0.010
2,4-Dimethylphenol	ND	0.010
4-Chloroaniline	ND	0.010
2-Nitrophenol	ND	0.010
2,4-Dichlorophenol	ND	0.010
Benzoic acid	ND	0.050
4-Chloro-3-methylphenol	ND	0.010
bis (2-Chloroethoxy) methane	ND	0.010
Isophorone	ND	0.010 RE

DIVISION OF ENVIRONMENTAL COMPLICATION

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2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

ANALYTE	002	MDL
1,2,4-Trichlorobenzene	ND	0.010
2-Methylnaphtalene	ND	0.010
Hexachlorocyclopentadiene	ND	0.010
Naphthalene	ND	0.010
Hexachlorobutadiene	ND	0.010
2,4,6-Trichlorophenol	ND	0.010
2,4,5-Trichlorophenol	ND	0.010
2-Nitroaniline	ND	0.010
3-Nitroaniline	ND	0.010
4-Nitroaniline	ND	0.010
2,4- Dinitrophenol	ND	0.00 = .01
4-Nitrophenol	ND	0.010
4,6-Dinitro-2-methylphenol	ND	0.010
2-Chloronaphthalene	ND	0.010
4-Chlorophenyl phenyl ether	ND	0.010
Dimethyl phthalate	ND	0.010
2,6-Dinitrotoluene	ND	0.010
Acenaphthylene	ND	0.010
Dibenzofuran	ND	0.010
Diethyl phthalate	ND	0.010
Acenaphthene	ND	0.010
Benzo(g,h,i)perylene	ND	0.010
Fluorene	ND	0.010
Azobenzene	ND	0.010
2,4-Dinitrontoluene	ND	0.010
Hexachlorobenzene	ND	0.010
Pentachlorophenol	ND	0.010
N-Nitrosodiphenylamine	ND	0.010
4-Bromophenyl phenyl ether	ND	0.010
Carbazole	ND	0.010
Di-n-butyl phthalate	ND	0.010
Phenanthrene	ND	0.010
Anthracene	ND	0.010
Fluoranthene	ND	0.010
Butyl benzyl phthalate	ND	0.010
bis (2-ethylhexyl) phthalate	ND	0.010
Pyrene	ND	0.010
Benzo(a)anthracene	ND	0.010
Chrysene	ND	0.010
3.3'-Dichlorobenzidine	ND	0.010
Di-n-octyl phthalate	ND	0.010
Benzidine	ND	0.010
Benzo(b)fluoranthene	ND ND	0.010
Benzo(k)fluoranthene	ND ND	0.010
Benzo(a)pyrene	ND ND	0.010
Licitzo(a)pyrotic		

Page 2 of 3

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2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

ANALYTE	002	MDL
Dibenzo(a,h)anthracene	ND	0.010
Indeno(1,2,3-cd)pyrene		0.010

ND: Not Detected / MDL: Method Dection Limit

Identification of tested specimens provided by the client.

MIDWEST TESTING LABORATORIES, INC.

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DINESH N. SHAH

Laboratory Director

Page 3 of 3

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DIVISION OF ENVIRONMENTAL COMPLIANCE

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: March 04, 2004 Lab. No.: 2004MT0049 Invoice No.: 240141

SSM CARDINAL GLENNONS CHILREN'S HOSPITAL 1465 S. Grand Boulevard

St. Louis, Missouri 63104-1095

ATTENTION: Mr. Bud Frederich

REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE I.D.

: Sample Point Ref. Number: 001 Waste Water Grab, 07:00 a.m. /02-18-04 EIVED

DATE ANALYZED : 02/27/04

RESULTS: ug/L OR PARTS PER BILLION (PPB)

ORGANOCHLORINE PESTICIDE ANALYSIS **SW-846 METHOD 8031**

ANALYTE	001	MDL
Aldrin	ND	0.05
alpha-BHC	ND	0.05
beta-BHC	ND	0.05
gamma-BHC (Lindane)	ND	0.04
delta- BHC	ND	0.05
Chlordane	ND	0.14
4,4'-DDD	ND	0.05
4,4'-DDE	ND	0.05
4,4'-DDT	ND	0.05
Dieldrin	ND	0.05
Endosulfan i	ND	0.05
Endosulfan II	ND	Q.05
Endosulfan Sulfate	ND	0.05
Endrin	ND	0.06
Endrin Aldehyde	ND	0.05
Heptachlor	ND	0.04
Heptachlor Epoxide	ND	0.20
Methoxychlor	ND	0.06
Toxaphene	ND	0.56
AROCHLOR-1016	ND	9,50
AROCHLOR-1221	ND .	0.50
AROCHLOR-1232	ND	0.50
AROCHLOR-1242	ND	0,50
AROCHLOR-1248	ND	0.50
AROCHLOR-1254	ND	9.50
AROCHLOR-1260	ND	0.50

ND: Not detected / MDL: Method Detection Limit

APR 06 2004 **DIVISION OF ENVIRONMENTAL COMPLIANCE**

PUT IN BUMS UIA 3/12/04 SMR.

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: March 04, 2004 **Lab No.:** 2004MT0049 **Invoice No.:** 240141

SSM CARINAL GLENNONS CHILDREN'S HOSPITAL

1465 Grand Boulevard

St. Louis, Missouri 63104-1095

ATTENTION: Mr. Bud Frederich

REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE LD. : Sample Point Ref. Number: 001 Waste Water Grab, 07:00 a.m. / 02-18-04

DATE ANALYZED : 03-02-04

METHOD REF. : EPA 600 METHOD 625

RESULTS: mg/L OR PARTS PER MILLION (PPM)

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SEMI - VOLATILE ORGANICS

ANALYTE	001	MDL
bis- (Chloromethyl) – ether	ND	0.010
Pyridine	ND	0.010
Aniline	ND	0.010
Benzyl alcohol	ND	0.010
Phenol (LP)	ND	0.84€ .0]
2-Chlorophenol	ND	0.010
bis-(2-Chloroethyl) ether	ND	0.010
N-nitrosodimethylamine	ND	0.010
bis- (2-Chloroisopropyl) ether	ND	0.010
N-Nitroso-di-n-propylamine	ND	0.020
1,3-Dichlorobenzene	ND	0.010
1,4-Dichlorobenzene	ND	0.010
1,2-Dichlorobenzene .	ND	0.010
o-Cresol	ND	0.010
m,p-Cresol	ND	0.010
Hexachloroethane	ND	0.010
Nitrobenzene	ND	0.010
2,4-Dimethylphenol	ND	0.010
4-Chloroaniline	ND	0.010
2-Nitrophenol	ND	0.010
2,4-Dichlorophenol	ND ·	0.010
Benzoic acid	ND	0.050
4-Chloro-3-methylphenol	ND	0.010
bis (2-Chloroethoxy) methane	ND	0.010
lsophorone	ND	0.010

Page 1 of 3

ANALYTE	001	MDL
1,2,4-Trichlorobenzene	ND	0.010
2-Methylnaphtalene	ND	. 0.010
Hexachlorocyclopentadiene	ND	0.010
Naphthalene	ND	0.010
Hexachlorobutadiene	ND	0.010
2,4,6-Trichlorophenol	ND	0.010
2,4,5-Trichlorophenol	ND	0.010
2-Nitroaniline	ND	0.010
3-Nitroaniline	ND	0.010
4-Nitroaniline	ND	0.010
2,4- Dinitrophenol ()	ND	19.7000
4-Nitrophenol	ND	0.010
4,6-Dinitro-2-methylphenol	ND	0.010
2-Chloronaphthalene	ND	0.010
4-Chlorophenyl phenyl ether	ND	0.010
Dimethyl phthalate	ND	0.010
2,6-Dinitrotoluene	ND	0.010
Acenaphthylene	ND	0.010
Dibenzofuran	ND	0.010
Diethyl phthalate	ND	0.010
Acenaphthene	ND	0.010
Benzo(g,h,i)perylene	ND	0.010
Fluorene	ND	0.010
Azobenzene	ND	0.010
2,4-Dinitrontoluene	ND	0.010
Hexachlorobenzene	ND	0.010
Pentachlorophenol	ND	0.010
N-Nitrosodiphenylamine	ND	0.010
4-Bromophenyl phenyl ether	ND	0.010
Carbazole	ND	0.010
Di-n-butyl phthalate	ND	0.010
Phenanthrene	ND	0.010
Anthracene	ND ND	0.010
Fluoranthene	ND	0.010
Butyl benzyl phthalate	ND	0.010
bis (2-ethylhexyl) phthalate	ND	0.010
Pyrene	ND	0.010
Benzo(a)anthracene	ND	0.010
Chrysene	ND	0.010
3,3'-Dichlorobenzidine	ND	0.010
Di-n-octyl phthalate	ND	0.010
Benzidine	ND	0.010
Benzo(b)fluoranthene	ND	0.010
Benzo(k)fluoranthene	ND	0.010
Benzo(a)pyrene	ND	0.010

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DIVISION OF ENVIRONMENTAL COMPLIANCE

Page 2 of 3

ANALYTE	001	MDL
Dibenzo(a,h)anthracene	ND	0.010
Indeno(1,2,3-cd)pyrene	ND	0.010

ND: Not Detected / MDL: Method Dection Limit

Identification of tested specimens provided by the client.

MIDWEST TESTING LABORATORIES, INC.

DINESH N. SHAH Laboratory Director RECEIVED

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DIVISION OF ENVIRONMENTAL COMPLIANCE

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: March 04, 2004 Lab. No.: 2004MT0049 Invoice No.: 240141

SSM CARINAL GLENNONS CHILREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, Missouri 63104-1095

ATTENTION: Mr. Bud Frederich

REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE I.D. : Sample Point Ref. Number: 001 Waste Water Grab, 07:00 a.m. / 02-18-04

DATE ANALYZED: 02-25-04

RESULTS: ug/L OR PARTS PER BILLION (PPB)

VOLATILE ORGANICS EPA 600 METHOD 624

ANALYTE	001	MDL
1,1,1,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
1,1-Dichloro-2-propanone	ND	5.0
1,1-Dichloroethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0
1,1'-Oxybis-ethane	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,2-Dibromoethane	GN	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dichloropropane	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,4-Dichloro-2-butene	ND	5.0
1-Chlorobutane	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Butanone	ND	10.0

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DIVISION OF ENVIRONMENTAL COMPLIANCE

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ANALYTE	001	MDL
2-Chlorotoluene	ND	5.0
2-Hexanone	ND	5.0
2-Nitropropane	ND	5.0
2-Propenic acid, methyl ester	ND	5.0
2-Methoxy-2-Methylpropane	ND	5.0
4-Chlorotoluene	ND	5.0
4-Methyl-2-pentanone	ND	5.0
Acetone	ND	5.0
Acrolein	ND	100.0
Acrylonitrile	ND	5.0
Allyl chloride	ND	5.0
Benzene	ND	5,0
Bromobenzene	ND	5.0
Bromochloromethane	ND	5.0
Bromodichloromethane	ND	5.0
Bromoform	ND	5.0
Bromomethane	ND	5.0
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroethane	ND	5.0
Chloroform KP	ND	5.04.01
Chloromethane	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Dibromochloromethane	ND	5.0
Dibromomethane	ND	5.0
Dichlorodifluoromethane	ND	5.0
Ethyl methacrylate	ND	5.0
Ethylbenzene	ND	5.0
Heptane	ND	5.0
Hexachlorobutadiene	ND	5.0
Hexachloroethane	ND	5.0
Hexane	ND	5.0
Iodomethane	ND	5.0
Isopropylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
Methacrylonitrite	ND	5.0
Methyl Methacrylate	ND	5.0
Methylacrylate	ND	5.0

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DIVISION OF ENVIRONMENTAL COMPLIANCE

ANALYTE	001	MDL
Methylene chloride ()	ND	304.01
n-Butylbenzene	ND	5.0
n-prppylbenzene	ND	5.0
Naphthalene	ND	5.0
Nitrobenzene	ND	5.0
o-Xylene	ND	5.0
p-isopropyltoluene	ND	5.0
Pentachloroethane	ND	5.0
Propionitrile	ND	5.0
sec-Butylbenzene	ND	5.0
Styrene	ND	5.0
tert-Butylbenzene	ND	5.0
Tetrachloroethene	ND	5.0
Tetrahydrofuran	ND	5.0
Toluene	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
trans-1,4-Dichloro-2-butene	ND	5.0
Trichloroethene	ND	5.0
Trichlorofluoromethane	ND	5.0
Vinyl acetate	ND	5.0
Vinyl chloride	ND	5.0

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DIVISION OF ENVIRONMENTAL COMPLIANCE

ND: Not Detected / MDL: Method Detection Limit

Identification of tested specimens prvided by the client.

MIDWEST TESTING LABORATORIES, INC.

DINESH N. SHAH Laboratory Manager

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Page 3 of 3



Metropolita St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

March 16, 2004

Bud Frederich Facilities Manager SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104-1095

RE: NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at: 1465 S. Grand Boulevard

Dear Mr. Frederich:

We have reviewed the first quarter 2004 self-monitoring report you recently submitted to the District under the terms of the above referenced permit. The following violations of permit limitations, terms or conditions were identified:

VIOLATIONS OF PERMIT TERMS/CONDITIONS:

A review of previously submitted self-monitoring reports identified that TTO has not been monitored and reported at sampling point 001 since March 7, 2003. The permit requires that TTO be reported once per year for sampling point 001. The TTO is to include analyses for all "applicable toxic organics". The "applicable toxic organics" are those which are or may be present in your discharge. Generally these will be the toxic organics which were denoted as being suspected or known present on the permit application completed by SSM Cardinal Glennon Children's Hospital, plus any which may have been added since the date of the application. The "applicable toxic organic" compounds identified on the October 29, 1999 application by SSM Cardinal Glennon Children's Hospital are Phenol, Methylene Chloride, Chloroform, and 2,4-Dinitrophenol which, were denoted as being known present on your premise.

REQUIRED ACTION/RESPONSE:

Submit a report of corrective actions, which you have initiated, to ensure that the sampling, analytical, and reporting requirements will be met in future reporting quarters. Please submit your corrective action response by April 12, 2004. Additionally, we ask that you monitor sampling point 001 for TTO during second quarter 2004.

Please note that the TTO analysis need only include the compounds indicated as known present on the aforementioned October 29, 1999 permit application. However, if the aforementioned compounds have been removed from your premise, please provide supporting documentation to the District. Sampling and reporting for TTO at sampling point 001 will not be required if these compounds have been removed from your premise.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

If you have any questions, please contact me at 436-8756.

Sincerely,

(ETROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

pc: Suspense file

cc: Douglas Mendoza Permit file

MSD 036576

P

SSM Cardinal Glennon Children's Hospital

V56 A

1465 S. Crand Boulevard • St. Louis, MO 63104-1095 (314)_577 5600 phone • www.cardinalglennon.com

January 8, 2004



Mr. Fabian T. Grabski Assistant Engineer Metropolitan St. Louis Sewer District 10 East Grand Avenue St. Louis, MO 63147-2913

RE: Fourth Quarter 2003 Radioactive Discharge Report

SSM Cardinal Glennon Children's Hospital

Dear Mr. Grabski:

Enclosed please find the Fourth Quarter of 2003 Radioactive Discharge Report as required. Please note that there were no discharges of radioactive material for any of the Cardinal Glennon laboratories for this time frame.

If you have any questions regarding this report, please contact Kevin Ferguson, Health Physicist for St. Louis University, at 577-8609 or myself at 268-6481.

Sincerely,

Dorothy (Dodie) Purcell

Dodic Purcell

Director of Risk/Quality Management

Enclosure

RECEIVED FEB 192004

THROUGH OUR EXCEPTIONAL HEALTH CARE SERVICES, WE REVEAL THE HEALING PRESENCE OF GOD.

RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

Jan. 5, 2004

TO:

Ms. Dodic Purcell

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Fergusonメデ

Health Physicist

Radiation Safety Office

SUBJECT:

Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning Oct. 1, 2003 and ending Dec. 31, 2003.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.

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Metropolitan St. Louis Sever District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

February 10, 2004

Rick Cunningham
Director of Safety & Security
SSM CARDINAL GLENNON CHILDREN'S HOSPITAL
1465 S. Grand Boulevard
St. Louis, MO 63104

RE: NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at: 1465 S. Grand Boulevard

Dear Mr. Cunningham:

Under the terms and conditions of the above referenced permit, you are required to self-monitor your radioactive discharge to the municipal sewer. The results are to be reported quarterly. Your radioactive report for fourth quarter was due by January 28, 2004.

VIOLATIONS OF PERMIT TERMS/CONDITIONS:

Although the District received your fourth quarter self-monitoring report on November 17, 2003, the fourth quarter radioactive discharge report has not been received by the District. This is in violation of permit standard condition I.A.1 and permit special condition II.A.1 which require sampling and analyses for all regulated substances at the frequencies specified in your permit. Since no report was submitted, you did not satisfy the fourth quarter's reporting requirements.

REQUIRED ACTION/RESPONSE:

Submit the fourth quarter 2003 radioactive discharge report and a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your fourth quarter radioactive discharge report and corrective action response by February 23, 2004.

If you have any questions, please contact me at 436-8756.

Sincerējy, METROPOLITAN∕SÎT ŁOUIS SEWER DISTRICT

Habian T. Grabski Assistant Engineer

pc: Suspense file

cc: Douglas Mendoza

Permit file



1465 S. Grand Boulevard • St. Louis, MO 63104-1095 (314) 577 5600 phone • www.cardinalglennon.com

December 3, 2003

Mr. Fabian T. Grabski Assistant Engineer Metropolitan St. Louis Sewer District 10 East Grand Avenue St. Louis, MO 63147-2913

RE:

Third Quarter 2003 Radioactive Discharge Report

SSM Cardinal Glennon Children's Hospital

Dear Mr. Grabski:

Enclosed please find the third Quarter of 2003 Radioactive Discharge Report as required. Please note that there were no discharges of radioactive material for any of the Cardinal Glennon laboratories for this time frame.

If you have any questions regarding this report, please contact Kevin Ferguson, Health Physicist for St. Louis University, at 577-8609 or myself at 268-6481.

Sincerely,

Dorothy (Dodie) Purcell

Dodie Purcell

Director of Risk/Quality Management

Enclosure

RECEIVED

DEC 0 5 2003

THROUGH OUR EXCEPTIONAL HEALTH CARE SERVICES, WE REVEAL THE HEALING PRESENCE OF GOD.

RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

Oct. 3, 2003

TO:

Ms. Dodie Purcell

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson 77

Health Physicist

Radiation Safety Office

SUBJECT:

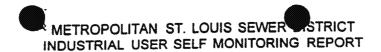
Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning July 1, 2003 and ending Sept. 30, 2003.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.

DEC 0 5 2003



PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PΔ	DT	1.

IDENTIFYING INFORMATION

	, 111
Company Name: SSM CARDINAL GLENNONE HOSPITAL	
Permit No: 41121954-00	
Premise Address: 1465 S. Grand Blvd., St. Louis, MO 63103-1095	
Monitoring Period: □(JAN-MAR) □(APR-JUNE) ☒(JULY-SEPT)	□(OCT-DEC)
Samples Collected By: MIDWEST TESTING LABORATORIES, INC.	,
nalyses Performed By: MIDWEST TESTING LABORATORIES, INC.	nananananahalikalisisissoootii ilivirissoootii oo ilivirissoootii oo ilivirissoootii oo ilivirissoootii oo ili

PART II: ANALYTICAL RESULTS	OF SELF	ONITORIN		рироски и и и и и и и и и и и и и и и и и и	g	indication and the contract of
MSD SAMPLE POINT REFERENCE NUMBERS	>	001				
DATES ON WHICH SAMPLES WERE COLLECTED		08-12-	-03			
TIMES AT WHICH SAMPLES WERE COLLECTED		7:00 Am	3:00 Fm	appanganananananan malannyk lannin iby kryv-ib-firk-iii		
PARAMETER	LIMIT				ND RESULTS BELOW E=estimated flow	UNITS
FLOW				www.complex.com		
OIL & GREASE	200	जि । न				mg/L
BOD	200	<u> </u>				mg/L
COD	****	C 100	garanteen jaroneen j	-		mg/L
TOTAL SUSPENDED SOLIDS	****	C 16				mg/I.
TEMPERATURE(Degrees C)	60	दे 22				
pH (Std. Units)	5.5-1	THE RESERVE THE PERSON NAMED IN	-47	www.icignorge.com.com.com.com.com.com.com.com.com.com		
SILVER	.5	<u> </u>	.01	and the second s		mg/L
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NOV 17 2003						

You must complete and sign the certification statements on the reverse side.

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III:	SPECIAL CERTIFICATION STATEMENTS		ſ.
ermit and PL	e special conditions contained in your discharge permit you may be required to cert LACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHIC ins no Special Conditions, then none of the certifications in PART III apply to you.	CH ARE APPLICABLE TO YOU	. Please review your JR FACILITY. If your
. If yo	our permit special conditions waive monitoring at any sample point(s) specified in	your permit, you are required to	o make the following

A.	your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following
	ertification: I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
В.	your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you re required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C.	your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification: I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D	your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to take the following certification:
	I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
Ε.	your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required make the following certification:
	I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F .	ischarges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide the Pharmaceutical sample point(s) subject to the following certification: I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
G.	scharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic omponents (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic omponents sample point(s) subject to the following certification: Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART I	GENERAL CERTIFICATION STATEMENTS
Initial the	ox for statement A if it applies to you. Everyone must complete the information-under-statement B and sign this report.
A. 	scharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification: In lieu of monitoring for TTO at sample point(s), I certify that to the best of my knowledge and belief, no toxic organics have been used at this premise or discharged into the wastewaters since filing of the last discharge monitoring report.
B. , .	SCHARGE MONITORING REPORT CERTIFICATION
designed who man	er penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge ue, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine
and impr	nment for knowing violations.
	6 1 + 2 C 30 7
Title: Signature	Replace S/16/03
-ignatul	2 SMF 10/9

PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I:

IDENTIFYING INFORMATION

Company Name:	SSM CARDINAL GL	ENNONE HOSPITAL		
	41121954-00			
		lvd. St. Louis,	MO 63103-1095	······································
Monitoring Period:	□(JAN-MAR)	□(APR-JUNE)	□(JULY-SEPT)	Æ(OCT-DEC)
Samples Collected	By: MIDWEST TEST	ING LABORATORIES	, INC	*
Analyses Performs	a By MIDWEST TES	TING LABORATORIE	STNC	

PART II: ANALYTICAL RESULTS	OF SELF	MONITORING		
MSD SAMPLE POINT REFERENCE NUMBERS		001		
DATES ON WHICH SAMPLES WERE COLLECTED		10-31-03		
TIMES AT WHICH SAMPLES WERE COLLECTED	>	7:15-3:15 nm		
PARAMETER	LIMIT		, M OR E) AND RESULTS BELOW sured flow, E=estimated flow	UNITS
FLOW			, ,	
OIL & GREASE	200	13		mg/L
BOD	200	273		mg/L
COD	****	683		mg/L
TOTAL SUSPENDED SOLIDS	****	167		mg/L
TEMPERATURE(Degrees C)	60	20.1		
pH (Std. Units)	5.5-1	7.37		
SILVER	.5	0.16		mg/L
·				
<u>.</u> .				
· ·				
				*
BECEIVED				

You must complete and sign the certification statements on the reverse side.

INDUMERIAL USER SELF MONITORING REPORT PAGE

PART III:

SPECIAL CERTIFICATION STATEMENTS



Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following. Please review your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.

A.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
В.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification: I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D.	If your permit special-conditions authorize-grab-sample collection in lieu-of-composite sampling at any sample-point(s), you-are-required to make the following certification:
	I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
Ε.	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required
	to make the following certification: I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following certification: I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification: Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART	IV: GENERAL CERTIFICATION STATEMENTS
Initial th	e box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.
A.	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification: In lieu of monitoring for TTO at sample point(s), I certify that to the best of my knowledge and belief, no toxic organics have been used at this premise or discharged into the wastewaters since filing of the last discharge monitoring report.
B	DISCHARGE MONITORING REPORT CERTIFICATION
designe who ma and beli	under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system d to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons nage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge of, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine prisonment for knowing violations.
	type name of signing official: Bud Froderich
Title:	Fairlités manager Telephone: 577-5.327
Signatur	12 0 4 2011
-	2 SMF 1093



Metropolitan St. Louis Se District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

November 5, 2003

Rick Cunningham Director of Safety & Security SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104

RE:

NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at:

1465 S. Grand Boulevard

Dear Mr. Cunningham:

Under the terms and conditions of the above referenced permit, you are required to self-monitor the discharge at the identified sampling point. Monitoring is to be performed for the parameters listed and at the frequency specified in the permit. The results are to be reported quarterly. Your report for third quarter was due by October 28, 2003.

VIOLATIONS OF PERMIT TERMS/CONDITIONS:

The third quarter self-monitoring report has not been received by the District. This is in violation of permit standard condition I.A.1 which requires sampling and analyses for all regulated substances at the frequencies specified at your sampling point. Since no report was submitted, you did not satisfy the third quarter's reporting requirements.

Please note that even if sampling and analytical requirements can not be met, the report should still be submitted. The violation will then be recorded as an incomplete report rather than "no report".

REQUIRED ACTION/RESPONSE:

Submit the third quarter 2003 report, any available third quarter self-monitoring data, and a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your third quarter report and corrective action response by November 24, 2003.

If you have any questions, please contact me at 436-8756.

Sincerely,

METROPO .ITAN ŞT∕-bOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

pc: Suspense file

cc: Douglas Mendoza

Permit file

RECEIVED

NOV 17 2003



Metropolitan. St. Louis St District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

November 6, 2003

Rick Cunningham Director of Safety & Security SSM CARDINALGLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104

NOTICE OF PERMIT VIOLATIONS RE:

Discharge Permit No: 41121954-00

For premise at: 1465 S. Grand Boulevard

Dear Mr. Cunningham:

Under the terms and conditions of the above referenced permit, you are required to self-monitor SSM Cardinal Glennon Children's Hospital's radioactive discharge to the municipal sewer. The results are to be reported quarterly. Your radioactive report for third quarter was due by October 28, 2003.

VIOLATIONS OF PERMIT TERMS/CONDITIONS:

The third quarter radioactive discharge report has not been received by the District. This is in violation of permit standard condition I.A.1 and permit special condition II.A.1 which require sampling and analyses for all regulated substances at the frequencies specified in your permit. Since no report was submitted, you did not satisfy the third quarter's reporting requirements.

REQUIRED ACTION/RESPONSE:

Submit the third quarter 2003 radioactive discharge report and a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your third quarter radioactive discharge report and corrective action response by November 24, 2003.

If you have any questions, please contact me at 436-8756.

Bincerely,

METROPO LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

pc: Suspense file

cc: Douglas Mendoza

Permit file



Metropolita St. Louis Sewer District

Division of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

November 5, 2003

Rick Cunningham
Director of Safety & Security
SSM CARDINAL GLENNON CHILDREN'S HOSPITAL
1465 S. Grand Boulevard
St. Louis, MO 63104

RE: NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at: 1465 S. Grand Boulevard

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Under the terms and conditions of the above referenced permit, you are required to self-monitor the discharge at the identified sampling point. Monitoring is to be performed for the parameters listed and at the frequency specified in the permit. The results are to be reported quarterly. Your report for third quarter was due by October 28, 2003.

VIOLATIONS OF PERMIT TERMS/CONDITIONS:

The third quarter self-monitoring report has not been received by the District. This is in violation of permit standard condition I.A.1 which requires sampling and analyses for all regulated substances at the frequencies specified at your sampling point. Since no report was submitted, you did not satisfy the third quarter's reporting requirements.

Please note that even if sampling and analytical requirements can not be met, the report should still be submitted. The violation will then be recorded as an incomplete report rather than "no report".

REQUIRED ACTION/RESPONSE:

Submit the third quarter 2003 report, any available third quarter self-monitoring data, and a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your third quarter report and corrective action response by November 24, 2003.

If you have any questions, please contact me at 436-8756.

Sincerely,

METROPOLITAN ST. HOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

pc: Suspense file

cc: Douglas Mendoza Permit file

METROPOLITAN ST. LOUIS SEWER DISTRICT

PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

INDUSTRIAL USER SELF MONITORING REPORT

PART I: IDENTIFYING INFORMA	TION				•			
Company Name: SSM CARDINAL	GLENNON	<u>E H</u>	OSPITAL.				-Carron-Frances	ninanga buwunguna
Permit No: 41121954-00			- 					*6dita/consonnonon-jacononono
Premise Address: 1465 S. Grand	Blvd	St	Louis, l	40	63103-1095	<u></u>	······································	
Monitoring Period: □(JAN-MAR)	*	X(AF	PR-JUNE)		□(JULY-SE	PT)	□(C	CT-DEC)
Samples Collected By: MIDWEST TE:		7					7-dansen	
Analyses Performed By: MIDWEST . T	ESTING	LAR	ORATORIES	, I	NC.	8A		
PART II: ANALYTICAL RESULTS	OF SELF	MON	ITORING		•			
MSD SAMPLE POINT REFERENCE NUMBERS	>	0(01					
DATES ON WHICH SAMPLES WERE COLLECTED	>	0	6-03-03					
TIMES AT WHICH SAMPLES WERE COLLECTED	>	7:	00 AM-3:00	PM				
		R	ECORD SAMPLE TY	PES (G, C, M OR E) A	ND RE	SULTS BELOW	,
PARAMETER	LIMIT	G=	grab, C=composi	te, l	M=measured flow,	E=es	timated flow	UNITS
FLOW							· ·	
OIL & GREASE	200		22				nnnaaanuduudoobuuuududauuubaaaabuunauudu	mg/L
BOD	200		245°	<u> </u>				mg/L
' COD	****		394	<u> </u>		ļ		mg/L
TOTAL SUSPENDED SOLIDS	****		91					mg/L
TEMPERATURE(Degrees C)	60		14.4	<u> </u>				
pH (Std. Units)	5.5-11		7.49	<u> </u>				/-
SILVER	• -		0.06				o-Parshannananananananananananananananananana	mg/L
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You must complete and sign the certification statements on the reverse side.

PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following.	Please review your
permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOU	R FACILITY. If your
contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.	

A.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following
	certification: I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
В.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you
	are required to make the following certification: I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification: I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D.	If your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to
	make the following certification: I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
E.	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required
	to make the following certification: I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following certification:
	I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification:
	Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART	IV: GENERAL CERTIFICATION STATEMENTS
Initial th	e box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.
A	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification: In lieu of monitoring for TTO at sample point(s), I certify that to the best of my knowledge and belief, no toxic organics have been used at this premise or discharged into the wastewaters since filing of the last discharge monitoring report.
B	DISCHARGE MONITORING REPORT CERTIFICATION
designe who ma and beli	under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system d to assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons nage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge of, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine prisonment for knowing violations.
·	type name of signing official: Bud Frederich
riin(Of Tille:	Facilities Susawiser Telephone: 577-5327
signatui	Q Q # 1 51 27-03
	2 SMF 1093

MSD 036590



(Chilos

1465 S. Crand Boulevard • St. Louis, MO 63104-1095 (314) 577 5600 *phone* • www.cardinalglennon.com

July 15, 2003

Mr. Fabian T. Grabski Assistant Engineer Metropolitan St. Louis Sewer District 10 East Grand Avenue St. Louis, MO 63147-2913

RE:

Second Quarter 2003 Radioactive Discharge Report

SSM Cardinal Glennon Children's Hospital

Dear Mr. Grabski:

Enclosed please find the second Quarter of 2003 Radioactive Discharge Report as required. Please note that there were no discharges of radioactive material for any of the Cardinal Glennon laboratories for this time frame.

If you have any questions regarding this report, please contact Kevin Ferguson, Health Physicist for St. Louis University, at 577-8609 or myself at 268-6481.

Sincerely,

Dorothy (Dodie) Purcell

Director of Risk/Quality Management

Enclosure

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RECEIVED

JUL 16 2003

THROUGH OUR EXCEPTIONAL HEALTH CARE SERVICES, WE REVEAL THE HEALING PRESENCE OF GOD.

0

RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

July 14, 2003

TO:

Ms. Dodie Purcell

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson 17

Health Physicist

Radiation Safety Office

SUBJECT:

Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning April 1, 2003 and ending June 30, 2003.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.

RECEIVED JUL 16 2003



1465 S. Grand Boulevard • St. Louis, MO 63104-1095 (314) 577 5600 phone • www.cardinalglennon.com

April 25, 2003

Mr. Fabian T. Grabski Assistant Engineer Metropolitan St. Louis Sewer District 10 East Grand Avenue St. Louis, MO 63147-2913

RE: First Quarter 2003 Radioactive Discharge Report

SSM Cardinal Glennon Children's Hospital

Dear Mr. Grabski:

Enclosed please find the first Quarter of 2003 Radioactive Discharge Report as required. Please note that there were no discharges of radioactive material for any of the Cardinal Glennon laboratories for this time frame.

If you have any questions regarding this report, please contact Kevin Ferguson, Health Physicist for St. Louis University, at 577-8609 or myself at 268-6481.

Sincerely,

Dorothy (Dodie) Purcell

Director of Risk/Quality Management

Enclosure

OFFICE OF ENVIRONMENTAL

THROUGH OUR EXCEPTIONAL HEALTH CARE SERVICES, WE REVEAL THE HEALING PRESENCE OF GOD.

RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

April 4, 2003

TO:

Ms. Dodie Purcell

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson 72

Health Physicist

Radiation Safety Office

SUBJECT:

Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis_

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning Jan. 1, 2003 and ending March 31, 2002.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.





Metropolitan Saint Louis Sewer District 2350 Market Street Saint Louis, Missouri 63103-2555

SSM CARDINAL GLENNON CHILDREN'S HOSPITA

MSD ACCOUNT #: W4112195400

1465 South Grand Blvd.

St. Louis, MO 63104-1095

INVO	ICE	da da constante de la constante
Invoice Number: PDP-2793	Invoice Date:	4/4/03
Explanation of	of Charges	
Fee for Pretreatment Program Discharge Permit cove September 30, 2003 issued in accordance with the N	ering the period October 1, 2002 thro Metropolitan St. Louis Sewer District (ough Ordinance
#8660 for the location at 1465 South Grand Blvd		
#8660 for the location at 1465 South Grand Blvd Basecharge @ \$150.00 per permit		150.00
	80.210 ccfs @ \$.72 per ccf	
Basecharge @ \$150.00 per permit		150.00

Remit to the above address. Mailing payment to any other address or facility of the Metropolitan St. Louis Sewer District could result in a delay in applying payment. If not paid by the due date a late charge of 1.5% will be added to the unpaid balance. For inquiries about this invoice please call (314) 768-6200 Ext.6494.



2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

KADDITON TO 14 ONE 2003 RET RECEIVED Allolo3. CAN'T ENTER INTO BUMS. COPS KEPT BY FE.

Date: March 20, 2003 Lab. No.: 2003MT0066 Invoice No.: 230165

SSM CARDINAL GLENNONS CHILDREN'S HOSPITAL4/16/03

1465 S. Grand Boulevard

St. Louis, Missouri 63104-1095

TO=20.01 molf

ATTENTION: Mr. Bud Frederich

REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE I.D. : Sample Point Ref. Number: 001 Waste Water Grab, 7:00 a.m. / 03-07-03

DATE ANALYZED: 03-11-03

METHOD REF. : EPA 600 METHOD 624

RESULTS: ug/L OR PARTS PER BILLION (PPB)

VOLATILE ORGANICS

ANALYTE	001	MDL
Dichlorodifluoromethane	ND	5.0
Chloromethane	ND	5.0
Vinyl Chloride	ND	5.0
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1'-Oxybis-ethane	ND	5.0
Acrolein	ND	100
Acetone	ND	10.0
1,1-Dichloroethene	ND	5.0
Iodomethane	ND	5.0
Allyl Chloride	ND	5.0
Carbon Disulfide	ND	5.0
Methylene Chloride (KP)	ND	5.0
Acrylonitrile	ND	5.0
2-Methoxy-2-Methylpropane	ND	5.0
Hexane	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	5.0
Propionitrile	ND	5.0
2,2-Dichloropropane	ND	5.0 ·
cis-1,2-Dichloroethene	ND	5.0
Methacrylonitrile	ND	5.07, 5.77
2-Propenic acid, methyl ester	ND	NE 6 20 1 1 151

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APR 16 2003 U

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ANALYTE	001	MDL
Chloroform (P)	ND	38
Bromochloromethane	ND	5.03
Tetrahydrofuran	ND	5.0
1,1,1-Trichloroethane	ND.	5.0
1-Chlorobutane	ND	5.0
Heptane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND ,	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Methyl methacrylate	ND	5.0
Bromodichchloromethane	ND	5.0
Dibromomethane	ND	5.0
2-Nitropropane	ND	5.0
2-Chloroethyl vinyl ether	ND	5.0
1,1-Dichloro-2-Propanone	ND .	5.0
cis-1,3-Dichloropropene	ND	5.0
Ethyl Methacrylate	ND	5.0
Trans 1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND .	5.0
2-Hexanone	. ND	5.0
1,3-Dichloropropane	ND .	5.0
Dibromochloromethane	ND	5.0
Bromoform	ND	5.0
4-Methyl-2-Pentanone	ND	5.0
Toluene	ND	2.0
Tetrachloroethene	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	20.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,4-Dichloro-2-butene	ND	5.0
n-Propylbenzene	ND .	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	(5:0台) 医 (
4-Chlorotoluene	ND	, 5.0
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OFFICE OF ENVIRONMENTAL COMPLIANCE

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ANALYTE	001	MDL
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
Pentachloroethane	ND	5.0
sec-Butylbenzene	ND	5.0
p-Isopropyltoluene	ND .	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND /	5.0
Hexachloroethane	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
Nitrobenzene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

ND: Not Detected / MDL: Method Detection Limit

Identification of tested specimens prvided by the client.

MIDWEST TESTING LABORATORIES, INC.

DINESH N. SHAH Laboratory Manager

APR 16 2003

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2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: March 20, 2003 Lab No.: 2003MT0066

Invoice: 230165

SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 S. Grand Boulevard

St. Louis, Missouri 63104-1095

ATTENTION: Mr. Bud Frederich

REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER GRAB SAMPLE

SAMPLE I.D. : Sample Point Ref. Number: 001 Waste Water Grab, 7:00 a.m. / 03-07-03

DATE EXTRACTED: 03-13-03 **DATE ANALYZED:** 03-14-03

METHOD REF. : EPA 600 METHOD 625

RESULTS: mg/L OR PARTS PER MILLION (PPM)

SEMI - VOLATILE ORGANICS

ANALYTE	001	MDL
bis- (Chloromethyl) - ether	ND	0.010
Pyridine	ND	0.010
Aniline	ND	0.010
Benzyl alcohol	ND	0.010
Phenol (KP)	ND	0.6.0
2-Chlorophenol	ND	0.010
bis-(2-Chloroethyl) ether	ND	0.010
N-nitrosodimethylamine	ND	0.010
bis- (2-Chloroisopropyl) ether	ND	0.010
N-Nitroso-di-n-propylamine	ND	0.020
1,3-Dichlorobenzene	ND	0.010
1,4-Dichlorobenzene	ND	. 0.010
1,2-Dichlorobenzene	ND	0.010
o-Cresol	ND	0.010
m,p-Cresol	ND	0.010
Hexachloroethane	ND	0.010
Nitrobenzene	ND	0.010
2,4-Dimethylphenol	ND	0.010
4-Chloroaniline	ND	0.010
2-Nitrophenol	ND	0.010
2,4-Dichlorophenol	ND	0.010
Benzoic acid	ND	0.050
4-Chloro-3-methylphenol	ND	0.010
bis (2-Chloroethoxy) methane	ND	0.010
Isophorone	ND	0.010

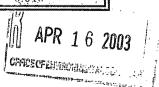
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1,2,4-Trichlorobenzene	ANALYTE	001	MDL
Hexachlorocyclopentadiene ND	1,2,4-Trichlorobenzene	ND	0.010
Naphthalene	2-Methylnaphtalene	ND	0.010
Naphthalene	Hexachlorocyclopentadiene	ND ND	0.010
2,4,6-Trichlorophenol ND 0.010 2,4,5-Trichlorophenol ND 0.010 2-Nitroaniline ND 0.010 3-Nitroaniline ND 0.010 3-Nitroaniline ND 0.010 4-Nitrophenol ND 0.010 4-Nitrophenol ND 0.010 4-Nitrophenol ND 0.010 4,6-Dinitro-2-methylphenol ND 0.010 4,6-Dinitro-2-methylphenol ND 0.010 4-Chloroaphthalene ND 0.010 4-Chlorophenyl phenyl ether ND 0.010 Dimethyl phthalate ND 0.010 Acenaphthlene ND 0.010 Dibenzofuran ND 0.010 Dibenzofuran ND 0.010 Dibenzofuran ND 0.010 Dibenzofuran ND 0.010 Acenaphthene ND 0.010 Benzo(g,h.i)perlene ND 0.010 Fluorene ND 0.010 Benzo		ND	0.010
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3-Nitroaniline	2,4,5-Trichlorophenol	ND	0.010
4-Nitroaniline ND 0.010 2,4-Dinitrophenol ND 0.010 4-Nitrophenol ND 0.010 4-Chlorophenyl phenyl ether ND 0.010 2-Chlorophenyl phenyl ether ND 0.010 Dimethyl phthalate ND 0.010 Accnaphtylene ND 0.010 Accnaphtylene ND 0.010 Accnaphtylene ND 0.010 Dibenzofuran ND 0.010 Dibenzofuran ND 0.010 Dibenzofuran ND 0.010 Dibenzofuran ND 0.010 Benzofg,hjberylene ND 0.010 Benzofg,hjberylene ND 0.010 Benzofg,hjberylene ND 0.010 Fluorene ND 0.010 Azebapthene ND 0.010 Fluorene ND 0.010 Azebapthene ND 0.010 Penzolenzene ND 0.010 Penzachlorophenol N	2-Nitroaniline	ND	0.010
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Pentachlorophenol ND 0.010 N-Nitrosodiphenylamine ND 0.010 4-Bromophenyl phenyl ether ND 0.010 Carbazole ND 0.010 Di-n-butyl phthalate ND 0.010 Phenanthrene ND 0.010 Anthracene ND 0.010 Fluoranthene ND 0.056 Butyl benzyl phthalate ND 0.010 bis (2-ethylhexyl) phthalate ND 0.010 Pyrene ND 0.010 Benzo(a)anthracene ND 0.010 Chrysene ND 0.010 3,3'-Dichlorobenzidine ND 0.010 Di-n-octyl phthalate ND 0.010 Benzidine ND 0.010 Benzidine ND 0.010 Benzo(b)fluoranthene ND 0.010 Benzo(k)fluoranthene ND 0.010		ND	0.010
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Fluoranthene ND 0.050 Butyl benzyl phthalate ND 0.010 bis (2-ethylhexyl) phthalate ND 0.010 Pyrene ND 0.010 Benzo(a)anthracene ND 0.010 Chrysene ND 0.010 3,3°-Dichlorobenzidine ND 0.010 Di-n-octyl phthalate ND 0.010 Benzidine ND 0.010 Benzo(b)fluoranthene ND 0.010 Benzo(k)fluoranthene ND 0.010	Phenanthrene	ND	0.010
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Benzo(k)fluoranthene ND 0.010			
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TARREST AND THE PARTY OF THE PA	Benzo(a)pyrene	ND ND	0.010

Page 2 of 3

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2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

ANALYTE		
Dibenzo(a,h)anthracene	ND	0.010
Indeno(1,2,3-cd)pyrene	ND	0.010

ND: Not Detected / MDL: Method Dection Limit

Identification of tested specimens provided by the client.

MIDWEST TESTING LABORATORIES, INC.

DINESH N. SHAH

Laboratory Manager

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: January 20, 2002 **Lab. No.:** 2003MT0066 **Invoice No.:** 230165

SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard

St. Louis, Missouri 63104-1095

ATTENTION: Mr. Bud Frederich

REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE I.D. : Sample Point Ref. Number: 001 Waste Water Grab, 07:00 a.m. / 03-07-03

DATE ANALYZED : 03-18-02

RESULTS: ug/L OR PARTS PER BILLION (PPB)

ORGANOCHLORINE PESTICIDE ANALYSIS SW-846 METHOD 8081

ANALYTE	001	MDL
Aldrin	ND	0.06
alpha-BHC	ND	0.05
beta-BHC	ND	0.05
gamma-BHC (Lindane)	ND .	0.04
delta- BHC	ND	0.05
Chlordane	ND	0.14
4,4'-DDD	ND	0.05
4,4'-DDE	ND	0.05
4,4'-DDT	ND	0.05
Dieldrin	ND	0.05
Endosulfan I	ND	0.05
Endosulfan II	ND	0.05
Endosulfan Sulfate	ND	0.05
Endrin	ND	0.06
Endrin Aldehyde	ND	0.05
Heptachlor · · · · · · · · · · · · · · · · · · ·	ND	0.04
Heptachlor Epoxide	ND	0.20
Methoxychlor	ND	0.06
Toxaphene	ND	0.56

ND: Not detected / MDL: Method Detection Limit

METROPOLITAN ST. LOUIS SEWER DISTLET INDUSTRIAL USER SELF MONITORING REPORT

PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

/ Alds

PART I:

IDENTIFYING INFORMATION

(////				
Company Name:	SSM CARDINAL GLE	NNONE HOSPITAL		
Permit No:	41121954-00			
	1465 S. Grand Bl	vd., St. Louis, M	10_63103-1095	
Monitoring Period:	(JAN-MAR)	□(APR-JUNE)	□(JULY-SEPT)	□(OCT-DEC)
Samples Collected	By: MIDWEST TESTI	NG LABORATORIES,	INC	
Analyses Performe	d By: MIDWEST TEST	ING LABORATORIES	TNC	

PART II:

ANALYTICAL RESULTS OF SELF MONITORING

MSD SAMPLE POINT REFERENCE NUMBERS		00			unnannannannannannannannannannan			
DATES ON WHICH SAMPLES WERE COLLECTED		03	-07-03					
TIMES AT WHICH SAMPLES WERE COLLECTED	>	7:0	0 AM-3:0) (IPM			ankis Tiran na marana na maran	
PARAMETER	LIMIT	53	CORD SAMPLE 1 grab, C=compo					טאודs
FLOW					proposana and an artistic firm		- The Vinder concess control of the Vinder c	
OIL & GREASE	200		14		1000x1000000xxxxxxxxxxxxxxxxxxxxxxxxxx			mg/I
BOD	200		115		99009049900900000000000000000000000000			mg/I
COD	****		159					mg/I
TOTAL SUSPENDED SOLIDS	****		69		www.www.duudotapoonoonoonoo		**************************************	mg/I
TEMPERATURE(Degrees C)	60		4.1					
pH (Std. Units)	5.5-1		7.71		000000000000			
SILVER	• 5		0.01					mg/I
			201402001p.201402000000000000000000000000000000000					and the same of th
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			<u></u>					
	***************************************		aggyspopograposososososos Pillin 1940 1999		Obsession out out of the first			
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You must complete and sign the certification statements on the reverse side.

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SPECIAL CERTIFICATION STATEMENTS PART III:

Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following.	Please review your
permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR	R FACILITY. If your
permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.	

A.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following
	certification: I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
B	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you are required to make the following certification: I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification: I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D.	If your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to make the following certification: I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
E.	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required to make the following certification: I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following certification: I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification: Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART	
Initial the	e box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.
A	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification: In lieu of monitoring for TTO at sample point(s), I certify that to the best of my knowledge and belief, no toxic organics have been used at this premise or discharged into the wastewaters since filing of the last discharge monitoring report.
8 . , '	DISCHARGE MONITORING REPORT CERTIFICATION
designed who mar and belie and impi	under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system of to assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons nage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge of, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine risonment for knowing violations. Substitute of the person of
Title:	Farilities 9 Supervisa Telephone: 5-77-532)
i me: Signatun	11-9-07
-ynalui	2 SMF 1090



Metropolitan St. Louis Se District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

February 20, 2003

John Hogenmiller Director of Safety & Security SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 South Grand Boulevard St. Louis, MO 63104

RE:

NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at:

1465 South Grand Boulevard

Dear Mr. Hogenmiller:

We have reviewed the fourth quarter 2002 self-monitoring report you recently submitted to the District under the terms of the above referenced permit and pursuant to the District's February 10, 2003 Notice of Violation to SSM Cardinal Glennon Children's Hospital. The following violations of permit limitations, terms or conditions were identified:

VIOLATIONS OF PERMIT TERMS/CONDITIONS:

- 1) The reverse of the report, which should include any applicable special certifications and a signature to attest to the correctness of the data, was not submitted. In the absence of these items, the document submitted does not satisfy the reporting requirements of the aforementioned permit.
- 2) The report did not include a measured or estimated flow figure for sampling point 001. Pursuant to the aforementioned permit, the permittee is required to provide either a measured or estimated average daily flow figure for at least one operating day per quarter for each sampling point.

REQUIRED ACTION/RESPONSE:

Submit a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters. Additionally, we ask that you resubmit the fourth quarter report being sure to include the aforementioned items.

Please submit your response on the above items by March 24, 2003.

If you have any questions, please contact me at 436-8756.

Sincerely,

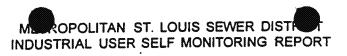
METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

pc: Suspense file

cc: Douglas Mendoza

Permit file



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PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT					
PART I: IDENTIFYING INFORMA	MOIT				
Company Name: SSM CARDINAL Permit No: 41121954-00	GLENNON	E HOSPITAL			
Premise Address: 1465 S. Grand	R1 v d	St Louis N	MO 63103_100		
Monitoring Period: □(JAN-MAŘ)					DCT-DEC)
Samples Collected By: MIDWEST TE				• •	,0. 520,
Analyses Performed By: MIDWEST T					
PART II: ANALYTICAL RESULTS					***************************************
MSD SAMPLE POINT REFERENCE NUMBERS		001			
DATES ON WHICH SAMPLES WERE COLLECTED	>	11-14-02			
TIMES AT WHICH SAMPLES WERE COLLECTED		7:00 AM-3:00	PM		
			PES (G, C, M OR E) A	ND RESULTS BELOW	,
PARAMETER	LIMIT	G=grab, C=composi	te, M=measured flow,	E=estimated flow	UNITS
FLOW					
OIL & GREASE	200	19			mg/L
BOD	200	167			mg/L
COD	****	336			mg/L
TOTAL SUSPENDED SOLIDS	****	197			mg/L
TEMPERATURE(Degrees C)	60	18.4			
pH (Std. Units)	5.5-1	8.95			-
SILVER	. 5	0.06			mg/L

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You must complete and sign the certification statements on the reverse side.

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*	-SICIUATURE	(CERTIFICATION
		FC

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: November 21, 2002 **Lab. No.:** 2002MT0443 **Invoice No.:** 20020450

SSM CARDINAL GLENNONS CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, Missouri 63103-1095

ATTENTION: Mr. Martin Hague

REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE I.D. : Sample Point Ref. Number: 001

Waste Water 07:00 a.m. to 03:00 p.m. / 11-14-02

Grab Sample 07:00 a.m./ 11-14-02

DATE ANALYZED: 11-14-02 to 11-21-02

RESULTS: mg/L OR PARTS PER MILLION (PPM)

ANALYTE		MDL	METHOD NUMBER
Oil & Grease	19	5	1664
BOD	167	10	405.1
COD	336	10	410.1
TSS	197	5	160.2
Temperature (Degrees C)	18.4	0.1	150.1
pH (Std Units)	8.95	0,02	120.1
Silver	0.06	0.01	272.1

MDL: Method Detection Limit

Identification of tested specimens provided by the client

MIDWEST TESTING LABORATORIES, INC.

DINESH N. SHAH

Laboratory Manager

1 R 33

1465 S. Grand Boulevard • St. Louis, MO 63104-1095 (314) 577 5600 phone • www.cardinalglennon.com

January 2, 2003

Mr. Fabian T. Grabski Assistant Engineer Metropolitan St. Louis Sewer District 10 East Grand Avenue St. Louis, MO 63147-2913

RE: Fourth Quarter 2002 Radioactive Discharge Report

SSM Cardinal Glennon Children's Hospital

Dear Mr. Grabski:

Enclosed please find the fourth Quarter of 2002 Radioactive Discharge Report as required. Please note that there were no discharges of radioactive material for any of the Cardinal Glennon laboratories for this time frame.

If you have any questions regarding this report, please contact Kevin Ferguson, Health Physicist for St. Louis University, at 577-8609 or myself at 268-6481.

Sincerely,

Dorothy (Dodie) Purcell

Director of Risk/Quality Management

Enclosure

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JAN 0 3 2003

OCTEGEOPALPERENTAL COSTRIANCE

THROUGH OUR EXCEPTIONAL HEALTH CARE SERVICES, WE REVEAL THE HEALING PRESENCE OF GOD.



RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

Jan. 2, 2003

TO:

Ms. Dodie Purcell

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson

Health Physicist

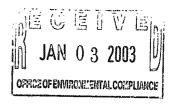
Radiation Safety Office

SUBJECT: Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning October 1, 2002 and ending December 31, 2002.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.





SSM Cardinal Glennon Children's Hospital

1465 S. Grand Boulevard • St. Louis, MO 63104-1095 (314) 577 5600 *phone* • www.cardinalglennon.com

November 1, 2002

Mr. Fabian T. Grabski Assistant Engineer Metropolitan St. Louis Sewer District 10 East Grand Avenue St. Louis, MO 63147-2913

Third Quarter 2002 Radioactive Discharge Report

SSM Cardinal Glennon Children's Hospital

Dear Mr. Grabski:

Enclosed please find the third Quarter of 2002 Radioactive Discharge Report as required. Please note that there were no discharges of radioactive material for any of the Cardinal Glennon laboratories for this time frame.

If you have any questions regarding this report, please contact Kevin Ferguson, Health Physicist for St. Louis University at 577-8609, or myself at 268-6481.

Sincerely,

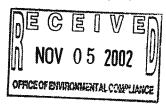
Dorothy (Dodie) Purcell

Dodie Puncell

Director of Risk/Quality Management

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THROUGH OUR EXCEPTIONAL HEALTH CARE SERVICES, WE REVEAL THE HEALING PRESENCE OF GOD.

RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

Oct. 1, 2002

TO:

Ms. Dodie Purcell

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson 72

Health Physicist

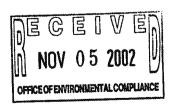
Radiation Safety Office

SUBJECT: Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning July 1, 2002 and ending Sept. 30, 2002.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.





Metropolitan St. Louis Seer District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

September 18, 2002

John Hogenmiller
Director of Safety & Security
SSM CARDINAL GLENNON CHILDREN'S HOSPITAL
1465 S. Grand Boulevard
St. Louis, MO 63104-1095

RE:

NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at:

1465 S. Grand Boulevard

Dear Mr. Hogenmiller:

We have reviewed the third quarter 2002 self-monitoring report you recently submitted to the District under the terms of the above referenced permit. The following violations of permit limitations, terms or conditions were identified:

VIOLATIONS OF PERMIT TERMS/CONDITIONS:

- 1) The report did not include a measured or estimated flow figure for sampling point 001. Pursuant to the aforementioned permit, the permittee is required to provide either a measured or estimated average daily flow figure for at least one operating day per quarter for each sampling point.
- 2) The reverse of the report, which should include an applicable special certification and a signature to attest to the correctness of the data, was not submitted. In the absence of these items, the document submitted does not satisfy the reporting requirements of the aforementioned permit.

REQUIRED ACTION/RESPONSE:

Submit a report of corrective actions, which you have initiated to ensure that the reporting requirements will be met in future reporting quarters. Additionally, we ask that you resubmit the third quarter report to include the above missing items.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your response on the above item by October 21, 2002.

If you have any questions, please contact me at 436-8756.

Sincerely,

LITAN ST. LOUIS SEWER DISTRICT

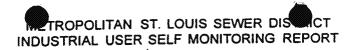
Fabian T. Grabski

Assistant Engineer

pc: Suspense file

cc: Douglas Mendoza

Permit file



PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

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IDENTIFYING INFORMATION

Company Name:	SSM CARDINAL GLI	ENNONE HOSPITAL		#95 ndenden medikakan 1957 PFF Ndikan renorman menengan menengan menengan menengan menengan menengan menengan m
Permit No:	41121954-00			
		vd., St. Louis, M	0_63103=1095	sananananananananananananananananananan
Monitoring Period:			□(JULY-SEPT)	□(OCT-DEC)
Samples Collected	By: MIDWEST TEST	NG LABORATORIES,	INC.	
Analyses Performe	ed By: MIDWEST TEST	ING LABORATORIES,	INC	
•		·	•	

PART II:

ANALYTICAL RESULTS OF SELF MONITORING

MSD SAMPLE POINT REFERENCE NUMBERS	>	0	01	_	nntricus de translation de translati	 		-
DATES ON WHICH SAMPLES WERE COLLECTED	>	0	8-27-02			<u> </u>		
TIMES AT WHICH SAMPLES WERE COLLECTED	>	7:	00 AM-3:0	QPM	obukuu00oktoonnannannannannannannannannannannannann			
PARAMETER	LIMIT				G, C, M OR E) A I=measured flow			UNITS
FLOW				-		-		
OIL & GREASE	200		26	_			annesititiostesitestestestestestestestestestestestestest	mg/L
BOD	200		205	_			week communication of the second seco	mg/L
COD	****		565		austronomonomisti (il pinetti titti titti puoli tuoti titti			mg/L
TOTAL SUSPENDED SOLIDS	****		84	1	ouvendocumico concognical inflations sylvens successive			mg/L
TEMPERATURE(Degrees C)	60		17.1		and the second s	-		-
pH (Std. Units)	5.5-1		7.43	 		 		_
SILVER	.5		0.03		agreement of the state of the s	 		mg/L
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•	and the second s							
							***************************************	-

You must complete and sign the certification statements on the reverse side.

SEP 1 8 2002

* - REVERSE SIGN

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: September 04, 2002 **Lab. No.:** 2002MT0341 **Invoice No.:** 20020347

SSM CARDINAL GLENNONS CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, Missouri 63103-1095

ATTENTION: Mr. Martin Hague

REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE I.D. : Sample Point Ref. Number: 001

Waste Water 07:00 a.m. to 03:00 p.m. / 08-27-02

Grab Sample 07:00 a.m./ 08-27-02

DATE ANALYZED: 08-27-02 to 09-04-02

RESULTS: mg/L OR PARTS PER MILLION (PPM)

ANALYTE	Over production control of the contr	MDL	METHOD NUMBER
Oil & Grease	26	5	1664
BOD	205	10	405.1
COD	565	10	410.1
TSS	84	5	160.2
Temperature (Degrees C)	17.1	0.1	150.1
pH (Std Units)	7.43	0.02	120.1
Silver	0.03	0.01	272.1

MDL: Method Detection Limit

Identification of tested specimens provided by the client

MIDWEST TESTING LABORATORIES, INC.

DINESH N. SHAH

Laboratory Manager



1465 S. Grand Boulevard • St. Louis, MO 63104-1095 (314) 577 5600 *phone* • www.cardinalglennon.com

August 15, 2002

Mr. Fabian T. Grabski
Assistant Engineer
Metropolitan St. Louis Sewer District
Office of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913

RE: Notice of Permit Violations

Discharge Permit No: 41121954-00

For Premises at: 1465 S. Grand Boulevard

Dear Mr. Grabski:

Enclosed please find the second quarter 2002 Radioactive Discharge Report which you requested in your correspondence dated August 9, 2002. I apologize for the delay in your receipt of this report. Unfortunately, Mr. Hogenmiller is no longer with SSM Cardinal Glennon Children's Hospital and I was unaware that this report needed to be sent to your office. I have now established that quarterly reports will be forwarded to my office so that I can submit the reports to your office in a timely manner.

Sincerely,

Dorothy (Dodie) Purcell

Director of Risk/Quality Management

Dorothy (Dodie) Purcel

Enclosure

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OFFICEOFENVIRONMENTAL COMPLIANCE

THROUGH OUR EXCEPTIONAL HEALTH CARE SERVICES, WE REVEAL THE HEALING PRESENCE OF GOD.

RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

July 5, 2002

TO:

Mr. John Hogenmiller

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson ₹¥

Health Physicist

Radiation Safety Office

SUBJECT:

Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning April 1, 2002 and ending June 30, 2002.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.

Date 7/5/0.2 # of # of	From Resin Farausan	Co. Redicting Soften	Phone #	Fax#	
	ila Hayenmiller		# 0	rax# 577-5714	





Metropolitan St. Louis Se District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

August 9, 2002

John Hogenmiller Director of Safety & Security SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104-1095

RE:

NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at:

1465 S. Grand Boulevard

Dear Mr. Hogenmiller:

Under the terms and conditions of the above referenced permit, you are required to self-monitor SSM Cardinal Glennon Children's Hospital's radioactive discharge to the municipal sewer. The results are to be reported quarterly. Your radioactive discharge report for second quarter of 2002 was due by July 28, 2002.

VIOLATIONS OF PERMIT TERMS/CONDITIONS:

The second guarter radioactive discharge report has not been received by the District. This is in violation of permit standard condition I.A.1 and permit special condition II.A.2 which require sampling and analyses for all regulated substances at the frequencies specified in your permit. Since no report was submitted, you did not satisfy the second quarter's reporting requirements.

REQUIRED ACTION/RESPONSE:

Submit the second quarter 2002 radioactive discharge report and a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your second quarter radioactive discharge report and corrective action response by August 26. 2002.

If you have any questions, please contact me at 436-8756.

Sincerely.

METROPOLITANIST, LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

pc: Suspense file

cc: Douglas Mendoza

Permit file



Metropolitar St. Louis Se District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

May 17, 2002

John Hogenmiller Director of Safety & Security SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104-1095

RE:

NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at:

1465 S. Grand Boulevard

Dear Mr. Hogenmiller:

We have reviewed the second quarter 2002 self-monitoring report you recently submitted to the District under the terms of the above referenced permit. The following violations of permit limitations, terms or conditions were identified:

VIOLATIONS OF PERMIT TERMS/CONDITIONS:

- 1) The report did not include a measured or estimated flow figure for sampling point 001. Pursuant to the aforementioned permit, the permittee is required to provide either a measured or estimated average daily flow figure for at least one operating day per quarter for each sampling point.
- 2) The reverse of the report, which should include an applicable special certification and a signature to attest to the correctness of the data, was not submitted. In the absence of these items, the document submitted does not satisfy the reporting requirements of the aforementioned permit.

REQUIRED ACTION/RESPONSE:

Submit a report of corrective actions, which you have initiated to ensure that the reporting requirements will be met in future reporting quarters. Additionally, we ask that you resubmit the second quarter report to include the above missing items.

il.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your response on the above item by June 17, 2002.

If you have any questions, please contact me at 436-8756.

Sincerely METROP

.IJ∕AN ŞT∩LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

pc: Suspense file

cc: Douglas Mendoza

Permit file

METROPOLITAN ST. LOUIS SEWER DISTRICT USTRIAL USER SELF MONITORING PORT

PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I:

IDENTIFYING INFORMATION

Company Name:	SSM CARDINAL CL	ENNONE HOCDITAL			3101/
	41121954-00	BINONE HOULLIND			9
-	1465 S. Grand B	St. Louis,	Missouri	63103-1095	
Monitoring Period:	□(JAN-MAR)	X(APR-JUNE)	□(JULY-	SEPT)	□(OCT-DEC)
Samples Collected By:	MIDWEST TESTI	NG LABORATORIES,	, INC.	77	•
Analyses Performed By:	MIDWEST TESTI	NG LABORATORIES,	, INC.		•

PART II: ANALYTICAL RESULTS OF SELF MONITORING

MSD SAMPLE POINT REFERENCE NUMBERS	>	00)1	_	ogganganoonaanaanaanaanaa (Eanraadoon) ***********************************		second December of the Control of th	
DATES ON WHICH SAMPLES WERE COLLECTED	>	05	-01-02		- · · · · · · · · · · · · · · · · · · ·	<u>.</u>	Dar Statenson en	
TIMES AT WHICH SAMPLES WERE COLLECTED	>	7 - 1 5	AM -3.	ık PM	Reformations		PROPERTY CONTRACTOR OF THE PROPERTY OF THE PRO	
PARAMETER	LIMIT	11			G, C, M OR E) A 4=measured flow			UNITS
FLOW								
OIL & GREASE	200		<5	┦			ļ	mg/
BOD	200		401					mg/
COD	****		770	1				mg/
TOTAL SUSPENDED SO	IDS***		146	┦				mg/
TEMPERATURE(Degree	sC) 60		17.4	<u> </u>			***************************************	
pH (Std. Units)	5.5-11		7.85					mg/
SILVER	.5		0.03					
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				1	***************************************	-		1

You must complete and sign the certification statements on the reverse side.

MAY 1.7 2002 CONFICEOFENVIRONMENTAL COMPLIANCE

PART III:

SPECIAL CERTIFIC ON STATEMENTS



Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following. Please review your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.

Signatu	re:Date:
ītle:	Telephone:
rint or	type name of signing official:
tesigne vho ma ınd beli	under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system of the assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons nage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge of, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine prisonment for knowing violations.
3	DISCHARGE MONITORING REPORT CERTIFICATION
A .	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification: In lieu of monitoring for TTO at sample point(s)
	e box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.
PART	IV: GENERAL CERTIFICATION STATEMENTS
	Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification: Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic
F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following certification: I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
	standards in 40 CFR
E.	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required to make the following certification: 1 certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment
· ·	make the following certification: I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
D.	points remain inactive and no discharge occurred during the period covered by this report. If your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification: Certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These
8.	are required to make the following certification: I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
_	point(s) If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you
Α.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification: 1 certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling

2

SMF 10/93



Metropolitan St. Louis Se District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

May 9, 2002

John Hogenmiller
Director of Safety & Security
SSM CARDINAL GLENNON CHILDREN'S HOSPITAL
1465 S. Grand Boulevard
St. Louis, MO 63104-1095

RE: NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at: 1465 S. Grand Boulevard

Dear Mr. Hogenmiller:

Under the terms and conditions of the above referenced permit, you are required to self-monitor SSM Cardinal Glennon Children's Hospital's radioactive discharge to the municipal sewer. The results are to be reported quarterly. Your radioactive discharge report for first quarter of 2002 was due by April 28, 2002.

VIOLATIONS OF PERMIT TERMS/CONDITIONS:

The first quarter radioactive discharge report has not been received by the District. This is in violation of permit standard condition I.A.1 and permit special condition II.A.2 which require sampling and analyses for all regulated substances at the frequencies specified in your permit. Since no report was submitted, you did not satisfy the first quarter's reporting requirements.

REQUIRED ACTION/RESPONSE:

Submit the first quarter 2002 radioactive discharge report and a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your first quarter radioactive discharge report and corrective action response by June 3, 2002.

If you have any questions, please contact me at 436-8756.

Sincerely, METROPO

LITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

pc: Suspense file

cc: Douglas Mendoza

Permit file

Fax Transmission

No. of pages incl. this one: 4

Fax number:

From:

John Hogenmiller

Security/Parking Director

Date:

If you do not receive all pages, please contact: (314) 268-4117

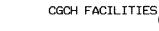
Fax: (314) 577-5314

Message:

*Fax Disclaimer; **********

The documents accompanying this facsimile transmission may contain sensitive information. The information is intended only for the use of the individual(s) or entity name above. If you are not the intended recipient, you are notified that any disclosure, copying, distribution or the taking of any action in reliance on the contents of this facsimile information is not permissible. If you have received the transmission in error, please immediately notify us at 314-577-5307 to arrange for the return of the original document. Thank you

3145775214



METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I:	IDENTIFYING INFORMATION			1
Company Nam	e: <u>SSM CARDINAL C</u> I	ENNONS HOSPITAL		
Permit No:	41121954-00			
Premise Addres	ss: <u>1465 S Crand Bo</u>	ulovard St. Louis	,Missouri 63109 109	.
Monitoring Peri		□(APR-JUNE)	□(JULY-SEPT)	D(OCT-DEC)
Samples Collec	ted By: MIDWEST TEST	FING LABORATORIES	TNC	
Analyses Perfor	MTDLECT DESCR	ING, LABORATORIES	S.INC.	

MSD SAMPLE POINT REFERENCE NUMBERS	>		9 01		,			
DATES ON WHICH SAMPLES WERE COLLECTED	>		01-17-02					
TIMES AT WHICH SAMPLES WERE COLLECTED		8:	00A.M-4:00	P.1	1			1
PARAMETER	LIMIT	28			G, C, M OR E) Al M≈messured flow,			צדנאט
FLOV			- Administration					
OIL & GREASE	200	G_	40	<u> </u>	STATE THE STATE OF			mg/I
BOD	300	C_	89		,		annonemental and a state of the	mg/I
COD	***	C	198	-				me/I
TOTAL SUSPENDED SOLIDS	***	C_	139	 	<u> </u>		·	mg/I
TEMPERATURE (Degrees C)	60_	<u>G_</u>	10.46	 			**************************************	C L
pH (Std. Units) 5.	5-11-1	<u></u>	8.74		 			s.u
STLVER	.5	<u>C</u>	0.01	L				me/I
TOTAL TOXIC ORGANICS		G	(¢.01	10	\$			mg/L
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THE PERSON NAMED IN THE PE		()	***************************************	 	L	-		1

You must complete and sign the certification statements on the reverse side.

INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART III: SPECIAL CERTIFICATION STATEMENTS

3145775214

Based on the special conditions contained in your discharge parmit you may be required to certify one or more of the following. Please review your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.

A.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
В.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you are required to make the following certification: Cartify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active
	connection points which are not specified in my permit .
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification: I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D,	If your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to make the following certification:
	I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
E. .	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F.	Discharges subject to Pharmacoutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmacoutical sample point(s) subject to the following cartification: I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmacoutical manufacturing process subject to Categorical Standards in 40 CFR 439.
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exampted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following cartification: Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filling the last discharge manitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART	IV: GENERAL CERTIFICATION STATEMENTS
Initial the	e box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.
A.	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification: In lieu of monitoring for TTO at sample point(s)
B	DISCHARGE MONITORING REPORT CERTIFICATION
designed who mer and belia and impr	under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system of to assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons tage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge of, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine risonment for knowing violations.
Print or (type name of signing officials. John Hogenniller
Title:	Directory Security 11
Signatun	Bi John Nogemiller Date: 4/3/02
	2 SMF 10/93

RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

April 2, 2002

TO:

Mr. John Hogenmiller

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson 7

Health Physicist

Radiation Safety Office

SUBJECT: Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. AI Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning January 1, 2002 and ending March 31, 2002.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.

2645 Gravois Avenue • St. Louis, MO 63118 (314) 773-3035 FAX (314) 773-3519

> Date: January 28, 2002 Lab. No.: 2002MT0022 Invoice No.: 20020035

SSM CARDINAL GLENNONS CHILDREN'S HOSPITAL 1465 S. Grand Boulevard

3145775314

St. Louis, Missouri 63104-1095

ATTENTION: Mr. John Hogenmiller

REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

: Sample Point Ref. Number: 001 Waste Water Grab, 8:00 a.m. / 01-17-02

DATE ANALYZED: 01-24-02

METHOD REF. : EPA 600 METHOD 624

RESULTS: ug/L OR PARTS PER BILLION (PPB)

VOLATILE ORGANICS

ANALYTE	001	MDL
Dichlorodifluoromethane	ND	5.0
Chloromethane	ND	5.0
Vinyl Chloride	ND	5.0
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1'-Oxybis-ethane	ND	5.0
Acrolein	ND	100
Acetone	ND	10.0
1,1-Dichloroethene	ND	5.0
Iodomethane	ND	5.0
Allyl Chloride	ND	5.0
Carbon Disulfide	ND	
Methylene Chloride (~P)	ND	3.0
Actylonitrile	ND	5.0
2-Methoxy-2-Methylpropane	ND	5.0
Hexane	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	5.0
Propionitrile	ND	5.0
2,2-Dichloropropane	ND	5.0
cls-1,2-Dichloroethene	ND	5.0
Methacrylonitrile	ND	5,0
-Propenic acid, methyl ester	ND	5.0

Page 1 of 3

3145775314

MIDWEST TESTING LABORATORIES

2645 Gravois Avenue • St. Louis, MO 63118 (314) 773-3035 • FAX (314) 773-3519

ANALYTE	001	NATAT
Chloroform (P)	ND	MDL
Bromochloromethane	ND	5.0
Tetrahydrofuran	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1-Chlorobutane	ND	5.0
Heptane	ND ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND ND	5.0
1,2-Dichloroethane	ND ND	5.0
Benzene	ND .	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Methyl methacrylate	ND	5.0
Bromodichchloromethane	ND	5.0
Dibromomethane	ND ND	5.0
2-Nitropropane	ND ND	5.0
2-Chloroethyl vinyl ether	ND ND	5.0
1,1-Dichloro-2-Propanone	ND ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Ethyl Methacrylate	ND	5.0
Trans 1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND ·	5.0
1,3-Dichloropropane	ND	5.0
Dibromochloromethane	ND	5.0
Bromoform	ND	5.0
4-Methyl-2-Pentanone	ND	5.0
Toluene	ND	2.0
Tetrachloroethene	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	20.0
m,p-Xylenes	ND	5.0
o-Xylene	ND ND	5.0
Styrene	ND	5.0
Isopropylbenzene	ND ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND ND	5.0
1,4-Dichloro-2-butene	ND	5.0
n-Propylbenzene	ND	5.0
Bromobenzene	ND	5,0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND ND	5.0
4-Chlorotoluene	ND ND	5.0
~~energicoscociosobia.co		J.V

Page 2 of 3

2645 Gravois Avenue St. Louis, MO 63118 FAX (314) 773-3519

A 70 th A company of the Company of		
ANALYTE	001	MDL
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
Pentachloroethane	ND	5.0
sec-Butylbenzene	ND	5.0
p-Isopropyltoluene	ND	5,0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5,0
n-Butylbenzene	ND	5,0
1,2-Dichlorobenzene	ND	5.0
Hexachloroethane	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
Nitrobenzene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

ND: Not Detected / MDL: Method Detection Limit

3145775314

Identification of tested specimens prvided by the client.

MIDWEST TESTING LABORATORIES, INC.

Laboratory Manager

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

> Date: January 28, 2002 Lab No.: 2002MT0022 Invoice No.: 20020035

SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, Missouri 63104-1095

ATTENTION: Mr. John Hogenmiller

REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER GRAB SAMPLE

: Sample Point Ref. Number 001 Waste Water Grab, (8:00 a.m. /01-17-02 SAMPLE LD.

DATE EXTRACTED: 01-18-02 DATE ANALYZED: 01-24-02

METHOD REF. : EPA 600 METHOD 625

3145775314

RESULTS: mg/L OR PARTS PER MILLION (PPM)

SEMI-VOLATILE ORGANICS

ANALYTE	001 .	MDL
bis- (Chloromethyl) - ether	ND	0,010
Pyridine	ND	0.010
Aniline	ND	0.010
Benzyl alcohol	ND	2010
Phenol ()	ND	0.000
2-Chlorophenol	ND	0.010
bis-(2-Chloroethyl) ether	ND	0.010
N-nitrosodimethylamine	ND	0.010
bis- (2-Chloroisopropyl) ether	ND	0.010
N-Nitroso-di-n-propylamine	ND	0.020
1,3-Dichlorobenzene	ND	0.010
1,4-Dichlorobenzene	ND	0.010
1,2-Dichlorobenzene	ND	0.010
o-Cresol	ND	0.010
m,p-Cresol	ND	0.010
Hexachloroethane	ND	0.010
Nitrobenzene	ND	0.010
2,4-Dimethylphenol	ND	0.010
4-Chloroaniline	ND	0.010
2-Nitrophenol	ND	0.010
2,4-Dichlorophenol	ND	0.010
Benzoic acid	ND	0.050
4-Chloro-3-methylphenol	ND	0.010
bis (2-Chloroethoxy) methane	ND	0.010
Isophorone	ND	0.010

Page 1 of 3

3145775314

MIDWEST TESTING LABORATORIES

ANALYTE St. Loui	13, MO 63118 - 001(314) 773-3	AND MINICAL STAN
1,2,4-Trichlorobenzene	ND	0.010
2-Methylnaphtalene	ND	0.010
Hexachlorocyclopentadiene	ND	0.010
Naphthalene	ND	0.010
Hexachlorobutadiene	ND	0.010
2,4,6-Trichlorophenol	. ND	0.010
2,4,5-Trichlorophenol	ND	0.010
2-Nitroaniline	ND	0.010
3-Nitroaniline	ND	0.010
4-Nitroaniline	ND	<u>0</u> .010
2,4- Dinitrophenol (RP)	ND	0.040
4-Nitrophenol	ND	0.010
4,6-Dinitro-2-methylphenol	ND	0.010
2-Chloronaphthalene	ND	0.010
4-Chlorophenyl phenyl ether	ND	0.010
Dimethyl phthalate	ND	0.010
2,6-Dinitrotoluene	· ND	0.010
Acenaphthylene	NĎ	0.010
Dibenzofuran	· ND	0.010
Diethyl phthalate	. ND	0.010
Acenaphthene	ND	0.010
Benzo(g,h,i)perylene	ND	0.010
Fluorene	ND	0.010
Azobenzene	ND	0.010
2,4-Dinitrontoluene	ND ND	0.010
Hexachlorobenzene	ND	0.010
Pentachlorophenol	ND ND	0.010
N-Nitrosodiphenylamine	ND ND	0.010
4-Bromophenyl phenyl ether	ND ND	0.010
Carbazole	ND ND	AND THE RESERVE TO SERVE THE PROPERTY OF THE P
Di-n-butyl phthalate	ND ND	0.010
Phenanthrene	ND ND	0.010
Anthracene	ND ND	0.010
Fluoranthene	**************************************	0.010
Butyl benzyl phthalate	ND ND	0.050
bis (2-ethylhexyl) phthalate	ND ND	0.010
Pyrene	ND ND	0.010
Benzo(a)anthracene	ND ND	0.010
Chrysene	ND	0.010
3,3'-Dichlorobenzidine	ND	0.010
Di-n-octyl phthalate	ND	0.010
Benzidine	ND	0.010
	ND	0.010
Benzo(b)fluoranthene	ND .	0.010
Benzo(k)fluoranthene	ND	0.010
Benzo(a)pyrene	ND	0.010

Page 2 of 3

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

9	Otherheine Commission (Commission Commission	
ANALYTE	001	MDL
Dibenzo(a,h)anthracene	ND	0.010
Indeno(1,2,3-cd)pyrene	ND	0.010

ND: Not Detected / MDL: Method Dection Limit

Identification of tested specimens provided by the client.

MIDWEST TESTING LABORATORIES, INC.

DINESH N. SHAH

Laboratory Manager

Page 3 of 3

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 FAX (314) 773-3519

> Date: January 28, 2002 Lab.NO.: 2002MT0022 Invoice No.: 20020035

SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, Missouri 63104-1095

314577531

ATTENTION: Mr. John Hogenmiller

SAMPLE MATRIX: WASTE WATER

SAMPLE LD.

: Sample Point Ref. Number: 001 Waste Water Grab 08:00 a.m. / 01-17-02

REPORT OF TESTS

DATE ANALYZED: 01-21-02

RESULTS: ug/L OR PARTS PER BILLION (PPB)

ORGANOCHLORINE PESTICIDE ANALYSIS SW-846 METHOD 8081

ANALYTE	001	MDL
Aldrin	ND ND	0.06
alpha-BHC	ND	0.05
beta-BHC	ND	0.05
gamma-BHC (Lindane)	0.98 / .0	0.04
delta- BHC	ND	0,05
Chlordane	ND	0.14
4,4'-DDD	ND	0.05
4,4'-DDE	ND ND	0.05
4,4'-DDT	ND	0.05
Dieldrin	0.08 = .01	0.05
Endosulfan I	ND	0.05
Endosulfan II	ND	0.05
Endosulfan Sulfate	ND	0.05
Endrin	ND	0.06
Endrin Aldehyde	ND	0.05
Heptachlor	ND	0.04
Heptachlor Epoxide	ND	0.20
Methoxychlor	ND	0.06
Toxaphene	ND	0.56

ND: Not detected / MDL: Method Detection Limit

[46/12/0

METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I:

IDENTIFYING INFORMATION

3145775314

Company Name: <u>SSM CARDINAL</u>	. GLENNON	S_CH	ILDREN'S	HO:	SPITAL		***************************************	00000000000000000000000000000000000000
Permit No: 41121954-00	· ,	***************************************	•	····				
Premise Address: 1465 S. Gra	nd Boulo	rard	-St. Lou	ıi.s	Missouri	63	103-1095	
Monitoring Period: □(JAN-MA					. □(JULY-SE			CT-DEC)
Samples Collected By: <u>Midwest</u>	Testing	Labo	ratorica	<u>_</u>	.cornorat o	d		
Analyses Performed By: Midwest								
PART II: ANALYTICAL RESUL				~, -	rucor por ac	eu.		
MSD SAMPLE POINT REFERENCE NUMBERS	>		001					
DATES ON WHICH SAMPLES WERE COLLECTED		1_1	1-07-01	 			mangaaaaaappa _r iinka, eksekatekate, maa ekseanaaaa	
TIMES AT WHICH SAMPLES WERE COLLECTED		7:0	0-3:00°p.	h.		<u>I </u>		
PARAMETER	LIMIT	37			(G, C, M OR E) A M=measured flow			UNITS
FLOV								
BOD	***		286					mg/L
COD	****	C	564					mg/L
Oil and Grease	200	G	12					mg/L
TSS	***	C	226	<u> </u>				mg/L
рН з.и.	5.5-11	اغا	8,39	 		<u> </u>		su
Temperature (Deg. C)	60	G	19.3	 				C
Silver		C	0.05					mg/L
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		<b> </b> -	**************************************			ļ	***************************************	
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You must complete and sign the certification statements on the reverse side.

### CGCH FACILITIES DUSTRIAL USER SELF MONITORING REPORT

#### PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to cartify one or more of the following. Please review your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.

A.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following
	I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
в.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, yo are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
<b>C</b> .	If your permit special conditions waive monitoring at linactive connection points, you are required to make the following certification:  I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D.	If your permit special conditions authorize grab sample collection in tieu of composite sampling at any sample point(s), you are required to make the following cartification:
	I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
<b>E</b>	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following cartification:
	I cartify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification:
	Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART	IV: GENERAL CERTIFICATION STATEMENTS
Initial th	e box for statement A if it applies to you. Everyons must complete the information under statement B and sign this report.
Α.	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification:  In lieu of monitoring for TTO at sample point(s)  toxic organics have been used at this premise or discharged into the wastewaters since filing of the last discharge monitoring report.
<b>8.</b> .	DISCHARGE MONITORING REPORT CERTIFICATION
who man	under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system of the assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons age the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge of the accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine risonment for knowing violations.
Print or t	ype name of signing official: John Hosen: 1/cr
	Directoffe + Security Telephone: (3/4)2/48-4117
Signature	Date:
	2 SMF 10/23

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## RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

********************************

DATE:

January 4, 2002

TO:

Mr. John Hogenmiller

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson イタ

Health Physicist

Radiation Safety Office

SUBJECT:

Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning October 1, 2001 and ending December 31, 2001.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.

2645 Gravois Avenue • St. Louis, MO 63118 (314) 773-3035 FAX (314) 773-3519

> Date: November 12, 2001 Lab. No.: 2001MT0451 Invoice No.: 20010456

SSM CARDINAL GLENNONS CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, Missonri 63103-1095

ATTENTION: Mr. John Hogenmiller

#### REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE LD. : Sample Point Ref. Number: 001

Waste Water 7:00 a.m. to 3:00 p.m. / 11-07-01

Grab Sample 7:00 a.m. / 11-07-01

DATE ANALYZED: 11-07-01 to 11-12-01

RESULTS: mg/L OR PARTS PER MILLION (PPM)

ANALYTE		MDL	METHOD NUMBER
Oil & Grease	12	5	1664
BOD	286	10	405.1
COD	564	· 10	410.1
TSS	226	5	160,2
Temperature (Degrees C)	19.3	0.1	150.1
pH (Std Units)	8.39	0.02	120.1
Silver	0.05	0,01	272.1

MDL: Method Detection Limit

Identification of tested specimens provided by the client

MIDWEST TESTING LABORATORIES, INC.

VICTOR V. GORÓSTIZA

Laboratory Director

PAGE.



# Fax Transmission

No. of pages incl. this one: 식

To: David Kupke

Fax number: 436-8753

3145775314

From:

John Hogenmiller

Security/Parking Director

Date: 12/2/01

If you do not receive all pages, please contact: (314) 268-4117

Fax: (314) 577-5314

Message: I've enclosed the complete report again. Also.

Jack mitchell is trying to get the number you are

requestions.

The documents accompanying this facsimile transmission may contain sensitive information. The information is intended only for the use of the individual(s) or entity name above. If you are not the intended recipient, you are notified that any disclosure, copying, distribution or the taking of any action in reliance on the contents of this facsimile information is not permissible. If you have received the transmission in error, please immediately notify us at 314-577-5307 to arrange for the return of the original document. Thank you

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: September 4, 2001 Lab. No.: 2001MT0352 Invoice No.: 20010357

SSM CARDINAL GLENNONS CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, Missouri 63103-1095

3145775314

ATTENTION: Mr. John Hogenmiller

#### REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE I.D. : Sample Point Ref. Number, 001

Waste Water 7:30 a.m. to 3:30 p.m. / 08-29-01

Grab Sample 9:20 a.m / 08-29-01

DATE ANALYZED: 08-29-01 to 09-04-01

RESULTS: mg/L OR PARTS PER MILLION (PPM)

ANALYTE	001	MDL	METHOD NUMBER
Oil & Grease	31	5	1664
BOD	248	10	405.1
COD	603	10	410.1
TSS	123	5	160.2
Temperature (Degrees C)	24	0.1	150.1
pH (Std Units)	7.66	0.02	120.1
Silver	0.08 -	0.01	272.]

MDL: Method Detection Limit

Identification of tested specimens provided by the client

MIDWEST TESTING LABORATORIES, INC.

VICTOR V. GOROSTIZA

Laboratory Director

## METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

### PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I:

IDENTIFYING INFORMATION

3145775314

Company Name: <u>CAR</u>	DINAL GLENNON CH	ILDREN'S HOSPI	FAI.	
Permit No: 4112195	4-00			00000000000000000000000000000000000000
Premise Address: 146	5 S. Grand Boule	vard. St. Loui:	MO 63104-1095	
Monitoring Period:	□(JAN-MAR)	□(APR-JUNE)	⊋(JULY-SEPT)	□(OCT-DEC)
Samples Collected By: _	Midwest Testing	Laboratories,	Incorporated	•

Analyses Performed By: Midwest Testing Laboratories, Incorporated

PART II: ANALYTICAL RESULT	S OF SELF	MON	NITORING					
MSD SAMPLE POINT REFERENCE NUMBERS	>		001				-	
DATES ON WHICH SAMPLES WERE COLLECTED		0	8-29-01		,			
TIMES AT WHICH SAMPLES WERE COLLECTED	>	7:	30-3:30				***************************************	
PARAMEYER	LIMIT				(G, C, M OR E) A M=measured flow			UNITS
FLOU		<b> </b>	**************************************		,	<u> </u>		
BOD	***	<u>  c_</u>	248	<u> </u>				mg/L
COD	****	الحال	603	<b> </b>		<b> </b>		mg/L
TSS	****	C_	128	<u> </u>		<b></b>	,	mg/L
OTL and GREASE	200	G_	31	<b> </b>	<b>_</b>	<u> </u>		mg/I
pH (s.u.)		<u></u>	7.66	<u> </u>			ļ	B.u.
TEMPERATURE (Degrees C)	60	G	24.0	<u> </u>		<b> </b>	-	<u>   C</u>
SILVER		C	0.08	<u> </u>		Ļ	<b></b>	mg/L
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		<b> </b>		-			<u> </u>	
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			-40ccc-constitutions	<b></b>				
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97990071974-1				H				1

You must complete and sign the certification statements on the reverse side.

### PART III:

### SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following. Please review your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.

A.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following confification:
	I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at samplin point(s)
8.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification:  I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D.	If your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to make the following certification:
	1 certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
E.	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following cartification:  I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exampted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification:  Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO). I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the tast discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART	IV: GENERAL CERTIFICATION STATEMENTS
nitial t	he box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.
<b>A.</b>	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification:  In lieu of monitoring for TTO at sample point(s)
<b>3</b>	DISCHARGE MONITORING REPORT CERTIFICATION
tho ma and be	under panalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system and to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or personal range the system, or those personal directly responsible for gathering the information; the information submitted is, to the best of my knowledge lief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine prisonment for knowing violations.
;	type name of algning official: John Hogenmiller
ītle:	Director Security 1117 Telephone: (314) 268-4117
ignatu	re: Date: Date:
	2 SWF 10/93



## PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

## IDENTIFYING INFORMATION

O Name: CAR	DINAL GLENNON	CHILDDEN'S HOODT	m	١٥
Company Name: <u>CAR</u>	DINAL GLENNON	CHILDREN'S HOSPI	I A L	on the description of the second of the seco
Permit No: 4112195	4-00			Microscopy of the popular international annual property of the second and the sec
Premise Address: 146	5 S. Grand Bou	levard, St. Loui	MO 63104-1095	
Monitoring Period:	□(JAN-MAR)	□(APR-JUNE)	☐ (JULY-SEPT)	□(OCT-DEC)
Samples Collected By:	Midwest Testi	ng Laboratories,	Incorporated	
Analyses Performed By	. Midwest Test	ing Laboratories	, Incorporated	
·	TICAL RESULTS OF			

PART II: ANALYTICAL RESULTS	OF SELF	MON	IITORING					
MSD SAMPLE POINT REFERENCE NUMBERS			001				gh-shoots-upp-saturations and an analysis and a	
DATES ON WHICH SAMPLES WERE COLLECTED	>	0	8-29-01		en processor de la companya de la c		suscentration of the second	
TIMES AT WHICH SAMPLES WERE COLLECTED	>	7:	30-3:30		***************************************			
PARAMETER	LIMIT				G, C, M OR E) A M=measured flow,			UNITS
FLOW				<b> </b>	and the second s			/-
BOD	****	<u>  C_</u>	248	<b> </b>				mg/L
COD :	****	<u> </u> _	603	ļ				mg/L
TSS	****	C	128	ļ				mg/L
OIL and GREASE	200	G	31					mg/L
pH (s.u.)	5.5-11	G_	7.66			ļ		s.u.
TEMPERATURE (Degrees C)	60	G	24.0				***************************************	С
SILVER		С	0.08					mg/L
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					NEPT	of EN	VIRONIMENTAL	
		⇈▔			-	COM	PLIANCE	

You must complete and sign the certification statements on the reverse side.

/,			
PART III:	SPECIAL	CERTIFICATION	STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following.	Please review your
permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOU	R FACILITY. If your
permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.	
permit contains no Special Conditions, their hone of the Certaincations are factor to apply	

A.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following
	certification:  I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
В.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you
	are required to make the following certification:  I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification:  I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D.	If your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to make the following certification:
	I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
E.	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required
	to make the following certification:  I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide
	at the Pharmaceutical sample point(s) subject to the following certification:  I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification:  Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filling the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART	IV: GENERAL CERTIFICATION STATEMENTS
Initial th	he box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.
A.	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification:  In lieu of monitoring for TTO at sample point(s)
B. ,	DISCHARGE MONITORING REPORT CERTIFICATION
designe who ma and bel	under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a systemed to assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons anage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge lief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine prisonment for knowing violations.
Print Qr	type name of signing official: John Hogenmiller
Title:	Director Security M Telephone: (314) 268-4117
Signatu	re: John Nogenmiller Date:
	2 SMF 1093

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

**Pate:** September 4, 2001 **Lab. No.:** 2001MT0352 **Invoice No.:** 20010357

SSM CARDINAL GLENNONS CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, Missouri 63103-1095

ATTENTION: Mr. John Hogenmiller

### REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

**SAMPLE I.D.** : Sample Point Ref. Number. 001

Waste Water 7:30 a.m. to 3:30 p.m. / 08-29-01

Grab Sample 9:20 a.m / 08-29-01

**DATE ANALYZED**: 08-29-01 to 09-04-01

RESULTS: mg/L OR PARTS PER MILLION (PPM)

ANALYTE	001	MDL	METHOD NUMBER
Oil & Grease	31	5	1664
BOD	248	10	405.1
COD	603	10	410.1
TSS	128	5	160.2
Temperature (Degrees C)	24	0.1	150.1
pH (Std Units)	7.66	0.02	120.1
Silver	0.08	0.01	272.1

MDL: Method Detection Limit

Identification of tested specimens provided by the client

MIDWEST TESTING LABORATORIES, INC.

VICTOR V. GOROSTIZA

Laboratory Director



## Metropolita St. Louis Sewer District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

November 14, 2001

Kevin R. Julius Facilities Compliance Manager CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104

RE: NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at: 1465 S. Grand Boulevard

Dear Mr. Julius:

The Under the terms and conditions of the above referenced permit, you are required to self-monitor the discharge at the identified sampling point. Monitoring is to be performed for the parameters listed and at the frequency specified in the permit. The results are to be reported quarterly. Your report for third quarter 2001 was due by October 28, 2001.

#### **VIOLATIONS OF PERMIT TERMS/CONDITIONS:**

Neither the third quarter self-monitoring report nor the third quarter radioactive discharge report have been received by the District. This is in violation of permit standard condition I.A.1 which requires sampling and analyses for all regulated substances at the frequencies specified at your sampling point and permit special condition II.B.3. Since the reports were not submitted, you did not satisfy the third quarter's reporting requirements.

Please note that even if sampling and analytical requirements can not be met, the report should still be submitted. The violation will then be recorded as an incomplete report rather than "no report".

#### **REQUIRED ACTION/RESPONSE:**

Submit the third quarter 2001 reports with any applicable certifications completed, any available third quarter self-monitoring data, and a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your third quarter reports and corrective action response by November 26, 2001.

If you have any questions, please contact me at 436-8756.

\$incerely, NETROPOLITAN ST. LOUIS SEWER DISTRICT

Påbian T. Grabski Assistant Engineer

pc: suspense file

cc: Douglas Mendoza

Permit file

(660/63/0

## RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

(ROAD

DATE:

October 2, 2001

TO:

Mr. John Hogenmiller

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson-7

Health Physicist

Radiation Safety Office

SUBJECT:

Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning July 1, 2001 and ending September 30, 2001.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.

RECEIVED

DEC 17 2001

DEPT. of ENVIRONMENTAL COMPLIANCE

## METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

## PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

IDENTIFYING INFORMATION PART I:

Company Name: _CARDINAL_GLENNON_CHILDREN'S HOSPITAL Permit No: 41121954-00 MO 63104-1095 Premise Address: 1465 S. Grand □(OCT-DEC) ₩(JULY-SEPT)

☐(APR-JUNE) □(JAN-MAR) Monitoring Period: Midwest Testing Laboratories, Incorporated Samples Collected By:

Incorporated Midwest Testing Laboratories, Analyses Performed By:

			001					
MSD SAMPLE POINT REFERENCE NUMBERS >  DATES ON WHICH SAMPLES WERE COLLECTED >  TIMES AT WHICH SAMPLES WERE COLLECTED >>		<u></u>			namananananan da	_		1
		08-29-01						
		7:30-3:30					טאנזאב	
PARAMETER LIMIT			RECORD SAMPLE TYPES (G, C, M OR E) AND RESULTS HELOW G=grab, C=composite, M=mmmasured flow, E=estimated flow					
FLOW			CONTRACTOR OF THE PROPERTY OF		32-200-200-200-200-200-200-200-200-200-2		The state of the s	mg/I
BOD	****	C_	248		20000000000000000000000000000000000000		enganennannannannannannannannannan-0000000000	and leases
COD	Polymonia programmenta.	c_	603					mg/I
TSS	***	C	128	<b> </b>		_		mg/l
OIL and GREASE	200	G	31	<b> </b>			and the construction of th	mg/I
pH (s.u.)	5.5-11	G.	7.66		Description of the second of t	_ -		8.u.
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You must complete and sign the certification statements on the reverse side.

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: September 4, 2001 Lab. No.: 2001MT0352 Invoice No.: 20010357

SSM CARDINAL GLENNONS CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, Missouri 63103-1095

ATTENTION: Mr. John Hogenmiller

### REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE I.D. : Sample Point Ref. Number: 001

Waste Water 7:30 a.m. to 3:30 p.m. / 08-29-01

Grab Sample 9:20 a.m. / 08-29-01

DATE ANALYZED: 08-29-01 to 09-04-01

RESULTS: mg/L OR PARTS PER MILLION (PPM)

ANALYTE	001	MDL	METHOD NUMBER
Oil & Grease	31	5	1664
BOD	248	10	405.1
COD	603	10	410.1
TSS	128	5	160.2
Temperature (Degrees C)	24	0.1	150.1
pH (Std Units)	7.66	0.02	120.1
Silver	0.08	0.01	272.1

MDL: Method Detection Limit

Identification of tested specimens provided by the client

MIDWEST TESTING LABORATORIES, INC.

VICTOR V. GOROSTIZA

Laboratory Director



# SSM Cardinal Glennon Children's Hospital

## Fax Transmission

No. of pages incl. this one: 2

To: Mr. Fasian Grassti

Fax number: 436-8753

From:

John Hogenmiller

Security/Parking Director

Date:

8/13/01

If you do not receive all pages, please contact: (314) 268-4117

Fax: (314) 577-5314

Message: Mr. G-ra6 sti:

Thank you worden the

problems this may have cansel.

The documents accompanying this facsimile transmission may contain sensitive information. The information is intended only for the use of the individual(s) or entity name above. If you are not the intended recipient, you are notified that any disclosure, copyling, distribution or the taking of any action in reliance on the contents of this facsimile information is not permissible. If you have received the transmission in error, please immediately notify us at 314-577-5307 to arrange for the return of the original document. Thank you

1465 South Grand Blvd. St. Louis, MO 63104-1095 (314) 577-5600 phone www.cardinalglennon.com

## RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

July 3, 2001

TO:

Mr. John Hogenmiller

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson 77

Health Physicist

Radiation Safety Office

SUBJECT:

Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning April 1, 2001 and ending June 30, 2001.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.



## Metropolita St. Louis Sewer District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

August 10, 2001

Kevin R. Julius Facilities Compliance Manager CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis. MO 63104

RE: NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at:

1465 S. Grand Bouvard

Dear Mr. Julius:

The Under the terms and conditions of the above referenced permit, you are required to self-monitor the discharge at the identified sampling points. Monitoring is to be performed for the parameters listed and at the frequency specified in the permit. The results are to be reported quarterly. Your report for second quarter 2001 was due by July 28, 2001.

#### **VIOLATIONS OF PERMIT TERMS/CONDITIONS:**

Neither the second quarter self-monitoring report nor the second quarter radioactive discharge report have been received by the District. This is in violation of permit standard condition I.A.1 which requires sampling and analyses for all regulated substances at the frequencies specified at your sampling points and permit special condition II.B.3. Since the reports were not submitted, you did not satisfy the second quarter's reporting requirements.

The reporting requirements of your permit also includes completing a certain certification for each quarter. Even if sampling and analytical requirements can not be met, the report should still be submitted with the applicable certification completed. The violation will then be recorded as an incomplete report rather than "no report".

#### REQUIRED ACTION/RESPONSE:

Submit the second quarter 2001 reports with the applicable certifications completed, any available second quarter self-monitoring data, and a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your second quarter reports and corrective action response by September 4, 2001.

If you have any questions, please contact me at 436-8756.

Sincerely.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski \
Assistant Engineer

pc: suspense file

cc: Douglas Mendoza

Permit file



## SSM Cardinal Glennon Children's Hospital



## Fax Transmission

No. of pages incl. this one: +

To: David Kupke

Fax number: 436-8753

From:

John Hogenmiller

Security/Parking Director

Date: 8/28/01

If you do not receive all pages, please contact: (314) 268-4117

Fax: (314) 577-5314

Message: David

tranks for you help. As requested, find our testing.

The documents accompanying this facsimile transmission may contain sensitive information. The information is intended only for the use of the individual(s) or entity name above. If you are not the intended recipient, you are notified that any disclosure, copying, distribution or the taking of any action in reliance on the contents of this facsimile information is not permissible. If you have received the transmission in error, please immediately notify us at 314-577-5307 to arrange for the return of the original document. Thank you

> 1465 South Grand Blvd. . St. Louis, MO 63104-1095 (314) 577-5600 phone www.cardinalglennon.com

## METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELP MONITORING REPORT

#### PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I: IDENTI	FYING INFORMATION			
Company Name: SSM	CARDINAL GLENN	ON CHILDREN'S HO	SPITAL .	
Permit No: 411219	54-00	·	<b>~9.44.00.6~974-udaba</b>	
Premise Address: 146	55 S. Grand Bou	leyard, St. Loui	s, MO, 63104-1095	annany objetugijijijihinisijinshisiskeenen neek
Monitoring Period:	□(JAN-MAR)	™(APR-JUNE)	□(JULY-SEPT)	□(OCT-DEC)
Samples Collected By:	Midwest Testi	ng Laboratories,	Incorporated	
Analyses Performed By	. <u>Midwest Testi</u>	ng Laboratories,	Incorporated	-Afrikan di digina da katalan kanan ka
PART II: ANALY	TICAL RESULTS OF S	ELF MONITORING	(003)	
/ ·				

PART II: ANALYTICAL RESULTS OF SELF MONITORING (003)							
MSD SAMPLE POINT REFERENCE NUMBERS			001	I			
BATES ON WHICH SAMPLES WERE COLLECTED>		ne ( )	29-01	<u> </u>	· .		
TIMES AT WHICH SAMPLES WERE COLLECTED		080	0-1600	Ц_	ngapanangapan da anna da andara da andar Canana		
PARAMETER	LIMIT					nD RESULTS BELOW E-estimated flow	UNITS
FLOW							
BOD	****	C	142				mg/I_
COD	***		265	jananananan			mg/L
TSS	****	C	129				mg/L
pH s.u.	5.5-11	G	7.17				ــــــــــــــــــــــــــــــــــــــ
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Silver			0.05				mg/L
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You must complete and sign the certification statements on the reverse side.

NOUSTRIAL USER SELF MONITORING REPORT

PART III: SPECIAL CERTIFICATION STATEMENTS

Base	d on the special conditions contained in your discharge permit you may be required to certify one or more of the following. Please review your Land-PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your
permi	t contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.
Α.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification:
7	certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
В.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you
	are required to make the following cartification:  I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification:  I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain tractive and no discharge occurred during the period covered by this report.
D.	If your parmit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to make the following certification:
	I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
E.	If your permit special conditions prohibit discharge of wastes which are subject to cortain categorical pretreatment standards, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following cartification:  I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing
	process subject to Categorical Standards in 40 CFR 439.
G.	Discharges Subject to Categorical Standards for Electropiating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO monitoring only at the Electropiating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following cartification:  Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic
	organic management plan submitted to MSD.
PART	IV: GENERAL CERTIFICATION STATEMENTS
	he box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.
A. ⁷	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification:  In lieu of monitoring for TTO at sample point(s)
B	DISCHARGE MONITORING REPORT CERTIFICATION
design who m and be	r under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a systemed to assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons anage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge fiel, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine prisonment for knowlng violations.
Print o	bi-ector Safety and Security Telephone: (314) 248-4117
Ttie:	Director Safety and Security Telephone: (314) 248-4117
Signet	Date:
	/ U 2 . SMF 1053

## RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

July 3, 2001

TO:

Mr. John Hogenmiller

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson 77

Health Physicist

Radiation Safety Office

SUBJECT:

Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning April 1, 2001 and ending June 30, 2001.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.



## SSM Cardinal Glennon Children's Hospital

## Fax Transmission

No. of pages incl. this one: 2

To: Fabian Grabski

Fax number:

436-8753

From:

John Hogenmiller

Security/Parking Director

Date:

5/21/01

If you do not receive all pages, please contact: (314) 268-4117

Fax: (314) 577-5314

want you for your assistance.

Message:

As you requested. T

The documents accompanying this facsimile transmission may contain sensitive information. The information is intended only for the use of the individual(s) or entity name above. If you are not the intended recipient, you are notified that any disclosure, copying, distribution or the taking of any action in reliance on the contents of this facsimile information is not permissible. If you have received the transmission in error, please immediately notify us at 314-577-5307 to arrange for the return of the original document. Thank you

1465 South Crand Blvd. • St. Louis, MO 63104-1095 (314) 577-5600 phone • www.cardinalglennon.com

## RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

April 5, 2001

TO:

Mr. John Hogenmiller

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson 77

Health Physicist

Radiation Safety Office

SUBJECT:

Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning January 1, 2001 and ending March 31, 2001.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.



### Metropolitar St. Louis Sewer District

Office of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

May 14, 2001

Kevin R. Julius Facilities Compliance Manager CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis. MO 63104

**RE: NOTICE OF PERMIT VIOLATIONS** 

Discharge Permit No: 41121954-00

For premise at: 1465 S. Grand Boulevard

Dear Mr. Julius:

Under the terms and conditions of the above referenced permit, you are required to self-monitor Cardinal Glennon Children's Hospital's radioactive discharge to the municipal sewer. The results are to be reported quarterly. Your radioactive discharge report for first quarter of 2001 was due by April 28, 2001.

#### **VIOLATIONS OF PERMIT TERMS/CONDITIONS:**

The first quarter radioactive discharge report has not been received by the District. This is in violation of permit standard condition I.A.1 and permit special condition II.B.2 which require sampling and analyses for all regulated substances at the frequencies specified in your permit. Since no report was submitted, you did not satisfy the first quarter's reporting requirements.

#### **REQUIRED ACTION/RESPONSE:**

Submit the first quarter 2001 radioactive discharge report and a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your first quarter radioactive discharge report and corrective action response by June 18, 2001.

lyou have any questions, please contact me at 436-8756.

Sincerely, () METROPOLITAN STILOUS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

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pc: suspense file

## PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

IDENTIFYING INFORMATION

Company Name:	SSM CARDINAL GLENNON CHILDREN'S HOSPITAL	MAY - 2 2001
Permit No: 411		Environmental Compliance
Premise Address: _	1145 0 0 1 0 1 0 1 0 7 1 10 00 10 1	<b>∔</b> −1095
Monitoring Period:	∐(JAN-MAR) □(APR-JUNE) □(JULY-SE	PT)   (OCT-DEC)
Samples Collected I	By: Midwest Testing Laboratories, Incorporate	e d
Analyses Performed	By: Midwest Testing Laboratories, Incorporate	e d
•		

PART II: ANALYTICAL RESULTS OF SELF MONITORING								
MSD SAMPLE POINT REFERENCE NUMBERS	——————————————————————————————————————		001		002			
DATES ON WHICH SAMPLES WERE COLLECTED		0	2-16-01	0	2-16-01			
TIMES AT WHICH SAMPLES WERE COLLECTED		7:3	0a.m3:3	06:	45-2:45p.r	<u>l.                                    </u>		
PARAMETER	LIMIT	11			G, C, M OR E) AM			UNITS
FLOW					107		Agazonanan ugu un ga upananan nanan nanan nanan na	/_
BOD	****	С	548	С	107		947-Granisassassassassassassassassassassassassas	mg/L
COD	****	C	1042	С	124			mg/L
Oil and Grease TSS	200	G C	10 295	G C	12 _. 252		anatanistis oo ahaa ka k	mg/L mg/L
Silver		С	0.05	С	0.01		?~\\ ⁽ ~04)400446666666666666666666666666666666	mg/L
pH (s.u.)	5.5-11	G	8.13	G	8.64			s.u.
Temperature (Degrees C)	60	G	21.9	G	13.0			c
Total Toxic Organics		G	0.14	G	<0.01√			mg/L
			0.106					
			FG				n Gibbon de en reconstruit de la	
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	-	<b>}</b>					**************************************	<b></b>
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You must complete and sign the certification statements on the reverse side.

#### PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following. Please review your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.

A.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
8.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you
	are required to make the following certification:  I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification:  I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D.	If your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to
	make the following certification:  I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
Ε.	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required
	to make the following certification:  I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide
	at the Pharmaceutical sample point(s) subject to the following certification:  I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification:  Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PAR	T IV: GENERAL CERTIFICATION STATEMENTS
Initial	the box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.
<b>A</b> .	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification:  In lieu of monitoring for TTO at sample point(s), I certify that to the best of my knowledge and belief, no toxic organics have been used at this premise or discharged into the wastewaters since filing of the last discharge monitoring report.
В.	DISCHARGE MONITORING REPORT CERTIFICATION
desigr who m and be	y under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system ned to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons arrange the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge alief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine apprisonment for knowing violations.
Print c	or type name of signing official: John Hogenmiller
Title:_	
Signat	Director, Safety and Security Telephone: (314) 268-4117  Ture: Date: 4/30/01
	2 SMF 10/93

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

MAY - 2 2001

Date: March 6, 2001

Environmental Complianas

Lab. No.: 2001MT0064 Invoice No.: 20010079

SSM CARDINAL GLENNONS CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, Missouri 63103-1095

ATTENTION: Mr. Kevin Julius

#### REPORT OF TESTS

**SAMPLE MATRIX: WASTE WATER** 

**SAMPLE I.D.** : Sample Point Ref. Number: 001

Waste Water 7:30 a.m. / 02-16-01 to 3:30 p.m. / 02-16-01

Grab Sample 7:30 a.m. / 02-16-01

Sample Point Ref. Number: 002

Waste Water 6:45 a.m. / 02-16-01 to 2:45 p.m. / 02-16-01

Grab Sample 6:45 a.m. / 02-16-01

**DATE ANALYZED:** 02-16-01 to 02-22-01

RESULTS: mg/L OR PARTS PER MILLION (PPM)

ANALYTE	001	002	MDL	METHOD NUMBER
Oil & Grease	10	12	5	1664
BOD	548	107	10	405.1
COD	1,042	124	10	410.1
BOD COD TSS	295	252	5	160.2
Temperature (Degrees C)	21.9	13.0	0.1	170.1
pH (Std Units)	8.13	8.64	0.02	150.1
Silver	0.05	0.01	0.01	272.1

MDL: Method Detection Limit

Identification of tested specimens provided by the client

MIDWEST TESTING LABORATORIES, INC.

VICTOR V. GOROSŤIZA

Laboratory Director

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: March 6, 2001 Lab. No.: 2001MT0064 Invoice No.: 20010079

SSM CARDINAL GLENNONS CHILDREN'S HOSPITAL

1465 S. Grand Boulevard

St. Louis, Missouri 63104-1095

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MAY - 2 2001

Environmental Compliance

ATTENTION: Mr. Kevin Julius

#### REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE I.D. : Sample Point Ref

: Sample Point Ref. Number: 001 Waste Water Grab, 7:30 a.m. / 02-16-01

Sample Point Ref. Number: 002 Waste Water Grab, 6:45 a.m. / 02-16-01

DATE ANALYZED: 02-22-01

METHOD REF. : EPA 600 METHOD 624

RESULTS: ug/L OR PARTS PER BILLION (PPB)

#### **VOLATILE ORGANICS**

ANALYTE	001	002	MDL
Dichlorodifluoromethane	ND	ND	5.0
Chloromethane	ND	ND	5.0
Vinyl Chloride	ND	ND	5.0
Bromomethane	ND	ND	5.0
Chloroethane	ND	ND	5.0
Trichlorofluoromethane	ND	ND	5.0
1,1'-Oxybis-ethane	ND	ND	5.0
Acrolein	ND	ND	100
Acetone	ND	ND	10.0
1,1-Dichloroethene	ND	ND	5.0
Iodomethane	ND	ND	5.0
Allyl Chloride	ND	, ND	5.0
Carbon Disulfide	ND	ND	5.0
Methylene Chloride	MOKON	NO01	5.0
Acrylonitrile	ND	ND	5.0
2-Methoxy-2-Methylpropane	ND	ND	5.0
Hexane	ND	ND	5.0
Trans-1,2-Dichloroethene	ND	ND	5.0
Vinyl Acetate	ND	ND	5.0
1,1-Dichloroethane	ND	ND	5.0
2-Butanone	ND	ND	5.0
Propionitrile	ND	ND	5.0
2,2-Dichloropropane	ND	ND	5.0
cis-1,2-Dichloroethene	ND	ND	5.0
Methacrylonitrile	ND	ND	5.0
2-Propenic acid, methyl ester	ND	ND	5.0

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ANALYTE	001	.002	MDL
Chloroform (P)	NO.4.0\	NO. # . OV	5.0
Bromochloromethane	ND	ND	5.0
Tetrahydrofuran	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	5.0
1-Chlorobutane	ND	ND	5.0
Heptane	ND	ND	5.0
1,1-Dichloropropene	ND	. ND	5.0
Carbon Tetrachloride	ND	ND	5.0
1,2-Dichloroethane	ND	ND	5.0
Benzene	ND	ND	5.0
Trichloroethene	ND	ND	5.0
1,2-Dichloropropane	ND	ND	5.0
Methyl methacrylate	ND	ND	5.0
Bromodichchloromethane	ND	ND	5.0
Dibromomethane	ND	ND	5.0
2-Nitropropane	ND	ND	5.0
2-Chloroethyl vinyl ether	ND	ND	5.0
1,1-Dichloro-2-Propanone	ND	ND .	5.0
cis-1,3-Dichloropropene	ND	ND	5.0
Ethyl Methacrylate	ND	ND	5.0
Trans 1,3-Dichloropropene	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	5.0
2-Hexanone	ND	ND	5.0
1,3-Dichloropropane	ND	ND	5.0
Dibromochloromethane	ND	ND	5.0
Bromoform	ND	ND	5.0
4-Methyl-2-Pentanone	ND	ND	5.0
Toluene	ND	ND	2.0
Tetrachloroethene	ND	ND	5.0 ·
1,2-Dibromoethane	ND	ND	5.0
Chlorobenzene	ND	ND '	5.0
1,1,1,2-Tetrachloroethane	ND	, ND	5.0
Ethylbenzene	ND	ND	20.0
m,p-Xylenes	29.5	ND	5.0
o-Xylene	ND	ND	5.0
Styrene	ND	ND	5.0
Isopropylbenzene	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	5.0
1,2,3-Trichloropropane	ND	ND	5.0
1,4-Dichloro-2-butene	ND	ND	5.0
n-Propylbenzene	ND ND	ND	5.0
Bromobenzene	ND	-ND	5.0
1,3,5-Trimethylbenzene	ND ND	ND	5.0
<u></u>	ND ND	ND	5,0
2-Chlorotoluene			
4-Chlorotoluene	ND	ND	5.0

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### MIDWEST TESTING LABORATORIES

≣uvironmental Complianse

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ANALYTE	001	002	MDL
tert-Butylbenzene	ND	ND	5.0
1,2,4-Trimethylbenzene	ND	ND	5.0
Pentachloroethane	ND	ND	5.0
sec-Butylbenzene	ND	ND	5.0
p-Isopropyltoluene	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	5.0
n-Butylbenzene	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	5.0
Hexachloroethane	ND	ND	5.0
1,2-Dibromo-3-chloropropane	ND	ND	5.0
Nitrobenzene	ND	ND	5.0
1,2,4-Trichlorobenzene	ND	ND	5.0
Hexachlorobutadiene	ND	ND	5.0
Naphthalene	ND	ND	5.0
1,2,3-Trichlorobenzene	ND	ND	5.0

ND: Not Detected / MDL: Method Detection Limit

Identification of tested specimens prvided by the client.

MIDWEST TESTING LABORATORIES, INC.

VICTOR V. GOROSTIZA Laboratory Director

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: March 6, 2001 Lab No.: 2001MT0064 Invoice No.: 20010079

SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 S. Grand Boulevard

St. Louis, Missouri 63104-1095

MAY - 2 2001

Environmental vomprant

ATTENTION: Mr. Kevin Julius

REPORT OF TESTS

**SAMPLE MATRIX**: WASTE WATER

SAMPLE I.D.

: Sample Point Ref. Number: 001 Waste Water Grab, 7:30 a.m. / 02-16-01

Sample Point Ref. Number: 002 Waste Water Grab, 6:45 a.m. / 02-16-01

DATE EXTRACTED: 02-23-01 DATE ANALYZED : 02-27-01

METHOD REF. : EPA 600 METHOD 625

RESULTS: mg/L OR PARTS PER MILLION ( PPM )

#### **SEMI - VOLATILE ORGANICS**

ANALYTE	001	002	MDL
bis- ( Chloromethyl ) - ether	ND	ND	0.010
Pyridine	ND	ND	0.010
Aniline	ND	ND	0.010
Benzyl alcohol	ŃD	\ND	0.010
Phenol (P)	NQ 4.01	10 = ON	0.010
2-Chlorophenol	ND	NĎ	0.010
bis-( 2-Chloroethyl ) ether	ND	ND	0.010
N-nitrosodimethylamine	ND	ND	0.010
bis- (2-Chloroisopropyl ) ether	ND	ND	0.010
N-Nitroso-di-n-propylamine	ND	ND	0.020
1,3-Dichlorobenzene	ND	ND	0.010
1,4-Dichlorobenzene	ND	ND	0.010
1,2-Dichlorobenzene	ND	ND	0.010
o-Cresol	ND	ND	0.010
m,p-Cresol	0.010	ND	0.010
Hexachloroethane	ND	ND	0.010
Nitrobenzene	ND	ND	0.010
2,4-Dimethylphenol	ND	ND	0.010
4-Chloroaniline	ND	ND	0.010
2-Nitrophenol	ND	ND	0.010
2,4-Dichlorophenol	ND	ND	0.010
Benzoic acid	ND	ND	0.050
4-Chloro-3-methylphenol	ND	ND	0.010
bis (2-Chloroethoxy) methane	ND	ND	0.010
Isophorone	ND	ND	0.010

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## MIDWEST TESTING LABORATORIES

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ANALYTE	001	002	MDL
1,2,4-Trichlorobenzene	ND	ND	0.010
2-Methylnaphtalene	ND	ND	0.010
Hexachlorocyclopentadiene	ND	ND	0.010
Naphthalene	ND	ND	0.010
Hexachlorobutadiene	ND	ND	0.010
2,4,6-Trichlorophenol	ND	ND	0.010
2,4,5-Trichlorophenol	ND	ND	0.010
2-Nitroaniline	ND	ND	0.010
3-Nitroaniline	ND	ND	0.010
4-Nitroaniline	\ND	ND	0.010
2,4- Dinitrophenol (	MQ上·01	MAGA	0.010
4-Nitrophenol	ND	ND	0.010
4,6-Dinitro-2-methylphenol	ND	ND	0.010
2-Chloronaphthalene	ND	ND	0.010
4-Chlorophenyl phenyl ether	ND	ND	0.010
Dimethyl phthalate	ND	ND	0.010
2,6-Dinitrotoluene	ND	ND	0.010
Acenaphthylene	ND	ND	0.010
Dibenzofuran	ND	ND	0.010
Diethyl phthalate	ND	ND	0.010
Acenaphthene	ND	ND	0.010
Benzo(g,h,i)perylene	ND	ND	0.010
Fluorene	ND	ND	0.010
Azobenzene	ND	ND	0.010
2,4-Dinitrontoluene	ND	ND	0.010
Hexachlorobenzene	ND	ND	0.010
Pentachlorophenol	ND	ND	0.010
N-Nitrosodiphenylamine	ND	ND	0.010
4-Bromophenyl phenyl ether	ND	ND	0.010
Carbazole	ND	ND	0.010
Di-n-butyl phthalate A	0.064	ND	0.010
Phenanthrene	ND	ND	0.010
Anthracene	ND	ND	0.010
Fluoranthene	ND	ND	0.050
Butyl benzyl phthalate	ND_	ND	0.010
bis (2-ethylhexyl) phthalate	0.042	ND	0.010
Pyrene	ND	ND	0.010
Benzo(a)anthracene	ND	ND	0.010
Chrysene	ND	ND	0.010
3,3'-Dichlorobenzidine	ND	ND	0.010
Di-n-octyl phthalate	ND	ND	0.010
Benzidine	ND	ND	0.010
Benzo(b)fluoranthene	ND	ND	0.010
Benzo(k)fluoranthene	ND	ND	0.010
Benzo(a)pyrene	ND	ND ND	0.010
Denzo(a)pyrene	i 71./		J.VIV

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ANALYTE	001	002	MDL
Dibenzo(a,h)anthracene	ND	ND	0.010
Indeno(1,2,3-cd)pyrene	ND	ND	0.010

ND: Not Detected / MDL: Method Dection Limit

Identification of tested specimens provided by the client.

MIDWEST TESTING I, ABORATORIES, INC.

VICTOR V. GOROSTIZA

Laboratory Director

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

**Date:** March 6, 2001 **Lab. No.:** 2001MT0064 **Invoice No.:** 20010079

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SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 S. Grand Boulevard

St. Louis, Missouri 63104-1095

MAY - 2 2001

Environmentia ....... ...

ATTENTION: Mr. Kevin Julius

REPORT OF TESTS

**SAMPLE MATRIX**: WASTE WATER

SAMPLE I.D. : Sample Point Ref

: Sample Point Ref. Number: 001 Waste Water Grab, 7:30 a.m. / 02-16-01

Sample Point Ref. Number: 002 Waste Water Grab, 6:45 a.m. / 02-16-01

**DATE EXTRACTED:** 02-27-01 **DATE ANALYZED:** 03-01-01

RESULTS: ug/L OR PARTS PER BILLION (PPB)

#### ORGANOCHLORINE PESTICIDE ANALYSIS SW-846 METHOD 8081

ANALYTE	001	002	MDL
Aldrin	ND .	ND	0.016
alpha-BHC	ND	ND	0.006
beta-BHC	ND	ND	0.016
gamma-BHC (Lindane)	ND	ND	0.006
delta- BHC	ND	ND	0.021
Chlordane	ND	ND	0.015
4,4'-DDD	ND	ND	0.016
4,4'-DDE	ND	ND	0.009
4,4'-DDT	ND	ND	0.016
Dieldrin	ND	ND	0.006
Endosulfan I	ND	ND	0.016
Endosulfan II	ND	ND	0.008
Endosulfan Sulfate	ND	ND	0.080
Endrin	ND	ND	0.016
Endrin Aldehyde	ND	ND	0.080
Heptachlor	ND	ND	0.021
Heptachlor Epoxide	ND	ND	0.080
Methoxychlor	ND	ND	0.106
Toxaphene	ND	ND	0.254

ND: Not detected / MDL: Method Detection Limit

# 18/2/2/2

## PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I: IDENTIFYING INFORMAT								
Company Name: SS NA CARD	INAL	GLENNON CHILDRENS HOSPITAL	200702000000000000000000000000000000000					
11117 10511-11	grannani jaunuu miniman ja sinnan kid		00-					
Premise Address: 1465 S. GR	AND P	BOULEVARD, ST. LOUIS, MO 63104-1	095					
Adaptivating Pariod: \( \sqrt{AN_MAR} \) \( \sqrt{APR-JUNE} \) \( \sqrt{JULY-SEPT} \) \( \sqrt{\omega} \) (OCT-								
Samples Collected By: MIDWEST TESTING LABORATORIES I INCORPORATION								
Analyses Performed By:	7 765	THE LAPURATUMES I TOURIST	<u> </u>					
PART II: ANALYTICAL RESULTS	OF SELF	MONITORING *NOFLOW FOR 003.						
MSD SAMPLE POINT REFERENCE NUMBERS		001						
DATES ON WHICH SAMPLES WERE COLLECTED		12-07-00						
TIMES AT WHICH SAMPLES WERE COLLECTED		8:10a=4:10p.m						
		RECORD SAMPLE TYPES (G, C, M OR E) AND RESULTS BELOW G=grab, C=composite, M=measured flow, E=estimated flow	UNITS					
PARAMETER	LIMIT	Gagrab, Cacomposite, Hameasured Took, East Marces Took						
FLOW			00					
TEMPERATURE (DIGREGO)	5.5-115	G 3,4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SU					
DH (Std. Units)	校女女女	C 135	mg/L					
COD	***	C 216	mg/L					
755	XXXX	0172	mg/L					
SILYER		0.07	mg/4					
OIL AND GREASE	200	6 20	My/L					
<u> </u>								
	-		-					
	1							
		RECEIVE						

You must complete and sign the certification statements on the reverse side.

JAN 9 2001

+via 1/10/01 case, Flow weeks RED NEW ORG.

Paranamanama geniharmang

PART III:

#### SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following. Please review your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.

orginature	Date: 01.02-0/
Title:	Director Security Society Telephone: 314 268-4117  Date: 01-02-01
Print or ty	pe name of signing official: Kevin R. Julius
and belief	age the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge f, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine sonment for knowing violations.
designed	nder penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons
B	DISCHARGE MONITORING REPORT CERTIFICATION
<b>A</b> .	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification:  In lieu of monitoring for TTO at sample point(s)
PART I	V: GENERAL CERTIFICATION STATEMENTS -box for-statement A if it applies to you. Everyone must complete the information-under-statement B and sign-this report.
5 A 5 9 11	organic management plan submitted to MSD.
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification:  Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic
•	process subject to Categorical Standards in 40 CFR 439.
F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following certification:  I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing
	I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
<b>E</b>	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required to make the following certification:
	I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
D.	points remain inactive and no discharge occurred during the period covered by this report.  If your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification:  I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These
	are required to make the following certification:  I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
В.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you
<b>A</b> .	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification:  I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling
Δ	If your namit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following





### *TESTING LABORATORIES*

#### 

St. Louis, MO 63118 • (314) 773-3035 2645 Gravois Avenue • FAX (314) 773-3519

> Date: December 13, 2000 Lab. No.: 2000MT0578 Invoice No.: 2000590

P.O. No.: 1407

SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Blvd. St. Louis, Missouri 63104-1095

ATTENTION: Mr. Kevin R. Julius

#### REPORT OF TESTS

SAMPLE MATRIX: WATER

: WASTE WATER-COMPOSITE AND GRAB SAMPLE I.D.

**SAMPLE DATE** : 12-07-00 / 8:10 A.M. to 4:10 P.M.

**DATE ANALYZED: 12-07-00 to 12-13-00** 

**RESULTS:** mg/L OR PARTS PER MILLION (PPM)

ANALYTE		MDL	METHOD NUMBER
Temperature (Degrees C)	13.4	0.1	170.1
pH ( Std Units )	8.47	0.02	150.1
BOD	135	10	405.1
COD TSS	216	10	410.1
TSS	172	5	160.2
Silver	0.07	0.01	272.1
Oil & Grease	20	5	1664

ND: Not Detected / MDL: MethodDetectionLimit

Identification of tested specimens provided by the client.

MIDWEST TESTING LABORATORIES, INC.

VICTOR V. GOROSTIZA

Laboratory Director





RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

violations.

Signature:

Print or type name of signing officia



#### METROPOLITAN ST. LOUIS SEWER DISTRICT

#### INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

IAKI	i. DENTIFYING INFORMATION		
Compa	ny Name: CARDINAL GLENNON CHILDREN'S HO	SPITAL	
Permit	No: 41121954-00		
Premise	Address: 1465 SOUTH GRAND BOULEVARD		
Reporti	ng Period: ☐ JAN-MAR) ☐ (APR-JUNE	E)   ☐ (JULY-SEPT)	(OCT-DEC)
PART	II: RECORD OF DISPOSAL OF RADIOA	CTIVE MATERIALS TO	THE SEWER SYSTEM
	RADIONUCLIDE	ACTIVITY DISCHARGE	ED (millicuries)
	I125	75 ₃ C;	
		p. ř	RECEIVED
	Radioactive Nuclides	Rro Bad	JAH 9 2009
	St. Lasia University	0.000	
	TOTAL ACTIVITY DISCHARGED:		
	III: CERTIFICATION STATEMENTS  your initials in the boxes under item A which appritem B and sign this report.	oly to you. Everyone must o	complete the information
A.	CERTIFICATION OF COMPLIANCE WITH	STATE AND FEDERAL	REGULATIONS
KA	I certify that to the best of my knowledge and 20-10.090 governing disposal by release into s the Missouri Department of Health have been me	anitary sewage for materia	als regulated by
团	I certify that to the best of my knowledge and 20.2003 governing disposal by release into san the Nuclear Regulatory Commission have been me	itary sewage for material	regulated by

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervison in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry fo the person or persons who manage the system,

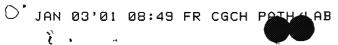
or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Telephone: __

Date:__

Keuin

MSD 036671



#### CARDINAL GLENNON CHILDREN'S HOSPITAL

#### RIA INVENTORIES

.!AN 9 2001

* 404.5c.	+		DATE DISPOSED LANGE
ASSAY LOT #	uC 1	DATE REC'D	DATE DISPOSED IN LEADING
AULAB	×	1-3-00	1-14-80
AUSRIA (d)	30	1-3-00	1-24-00
BH Traces	iO	1-4-00	8-19-00
HGH	5	1-4-00	2.29.00
AUSRIA	15	1-7-00	2-29-00
Corat	15	1-7-00	2.29-00
	15	1-7-00	2-29-00
Busab-	15	1-26.00	3-15-00
13 13	5	1-31-00	3-15-00
13	7	2-11-60	3-31-60
Dusat-	15	2-21-60	3-31-60
Supar	15	3-20-00	3-19-00 4-19-00
HGH	5	4-4-00	5-28-00
T3	7	4-6-00	5-29-00
464	5	5-4-00	6-12-00
Ausab	15	5-18-00	6-12-00
Hot	<	· 6-9-00	8-13-00
t34.	7	voud 6-2-00 exp	7-2500
Duenes	15	rin 6.1300 up 6/30/00	6-30-00
AUSAB	15 .	6/14/00	6-19-00
AUSAB	15	6/20190	4-23-00
464	5	6/14/00	7-10-00
1 / 1 m a 1	$\cdot$	7-10- <u>00</u>	2-31-50
T24	7	7-28-00	9-12-00
AUSAB	5	7/29/00	9-7-00
HGH	5	8111/00	8-28-00
Hex	1	8115/00	9-7-50 8-28-00 8-28-00
15u		9-7-00 ex 11-14	
HGH	5	9/2/00	9-30-00
AUSAB HGH HGH HGH HGH AUSOB	5 5 15	8/11/00 8/15/00 9-7-00 => 11-14 9/2/00 10/4/00	
AUSAB	15	9/5/00	9-30-00
AUSAR	15	10/2100	
Hell	15	70/4/80 9/5/00 /0/2/00 /0-18-00 /0-18-00	9-30,00
- H6 LL		10-18:00	9,30,00
41.87.73	1	10-18-00	9-30 .00 9-30 .00 11- (3-000
AUSAB AUSAB HEH HEH AUSBB AUSBB	15	11-15 00	12-30 3000
	Z	1 7	16 74 044

** TOTAL PAGE.002 **



***********************************

DATE:

January 2, 2001

TO:

Mr. Kevin Julius

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson 74

Health Physicist

Radiation Safety Office

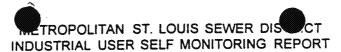
**SUBJECT:** 

Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning October 1, 2000 and ending December 31, 2000.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.



## PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

Collegia.

PART I: IDENTIFYING INFORMATION

Company Name:	SSM CARDINAL GLENNO	N CHILDREN'S HOSPITA	L	
Permit No: 4112				
Premise Address:	1465 S. Grand Boule	vard, St. Louis, Mis	souri 63103-1095	was the same of th
Monitoring Period:	□(JAN-MAR)	□(APR-JUNE)	ሺ(JULY-SEPT)	□(OCT-DEC)
Samples Collected	By: Midwest Testing	Laboratories, Incor	porated	
Analyses Performe	ed By: Midwest Testi	ng Laboratories, Inc	orporated	
•	-			

PART II: ANALYTICAL RESULTS OF SELF MONITORING

PART II: ANALYTICAL RESULTS			en province a province de la company de la c	Landa de la companya del la companya de la companya	
MSD SAMPLE POINT REFERENCE NUMBERS	>		001		
DATES ON WHICH SAMPLES WERE COLLECTED	>	0	7-30-99		
TIMES AT WHICH SAMPLES WERE COLLECTED	>	7:3	Oa.m4:30		 
PARAMETER	LIMIT	11		YPES (G, C, M OR	11
FLOW D	****	0	005		/
Biochemical Oxygen Demand		С	285	<del> </del>	mg/L
Chemical Oxygen Demand	****	C	519		 mg/I
Oil and Grease	200	G	15		mg/I
pH (S.U.) Temperature (Degrees C)		G G	7.99 28.8	Outra-rennance announcement-rennancement	SII C
Total Suspended Solids		C	176		mg/L
Silver	****	С	.02		mg/L
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You must complete and sign the certification statements on the reverse side.

NOV 0 1 1999

Environmental Compliance

#### PART III:

#### SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following. Please review your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.

. <b>A</b>	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification:
	certification:    Certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
<b>B</b> .	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you are required to make the following certification:  I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification:  I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D	If your permit special conditions authorize grab_sample.collection in lieu of_composite sampling at any sample_point(s), you_are required to make the following certification:  I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required to make the following certification:  I certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment
	standards in 40 CFR  Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following certification:  I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following certification:  Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART IV	
	box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.  Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification:  In lieu of monitoring for TTO at sample point(s)
3	DISCHARGE MONITORING REPORT CERTIFICATION
lesigned to the mana and belief, and impris	der penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons ge the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine onment for knowing violations.
rint or typ Title: (	De name of signing official: Keuin K. J. Ilus  Telephone: (314) 268-4117
ignature:	
•	2 SMF 10/93

MSD 036675

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT PART I: IDENTIFYING INFORMATION CARDINAL GLENNON CHILDREN'S HOSPITAL Permit No: 41121954-00 Premise Address: 1465 SOUTH GRAND BOULEVARD Reporting Period: ☐ JAN-MAR) (JULY-SEPT) 1999 C (APR-JUNE) □ (OCT-DEC) RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM PART II: RADIONUCLIDE ACTIVITY DISCHARGED (millicuries) 0.543 0.000 TOTAL ACTIVITY DISCHARGED: PART III: CERTIFICATION STATEMENTS Place your initials in the boxes under item A which apply to you. Everyone must complete the information under item B and sign this report. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS I certify that to the best of my knowledge and belief, all requirements of 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for materials regulated by the Missouri Department of Health have been met for the period covered by this report. I certify that to the best of my knowledge and belief, all requirements of 10 CFR Part 20.2003 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission have been met for the period covered by this report. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION I certify under penalty of Law that this document and all attachments were prepared under my direction I certify under penalty of Law that this document and all attachments were prepared under my direction or supervison in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry fo the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing Print or type name of signing official:

NOV 0 1 1999

Telephone:

Signature:

Environmental Complianse

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

**Date:** August 12, 1999 **Lab. No.:** 99MT0318 **Invoice No.:** 0301

SSM CARDINAL GLENNONS CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, Missouri 63103-1095

ATTENTION: Mr. Kevin Julius

#### REPORT OF TESTS

SAMPLE I.D.: Sample Point Ref. Number: 001

Wastewater 7:30 a.m. / 07-30-99 to 4:30 p.m. / 07-30-99

Grab Sample 7:30 a.m. / 07-30-99

**DATE ANALYZED:** 07-30-99 to 08-11-99

**RESULTS:** mg/L Except as noted:

ANALYTE		MDL	METHOD NUMBER
Oil & Grease	15	5	413.1
BOD	285	10	405.1
COD	519	10	410.1
TSS	176	5	160.2
Temperature (Degrees C)	28.8	.1	170.1
pH ( Std Units )	7.99	.02	150.1
Silver	.02	.01	272.1

MDL: Method Detection Limit

Identification of tested specimens provided by the client

MIDWEST TESTING LABORATORIES, INC.

VICTOR V. GOROSTIZA Laboratory Director

NOV 0 1 1999

RECEIVED

....

Environmental Complianse



## Metropolitan St. Louis Seer District

Department of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

November 17, 2000

Kevin R. Julius Facilities Compliance Manager CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104

RE:

NOTICE OF PERMIT VIOLATIONS

Discharge Permit No:

41121954-00

For premise at:

1465 S. Grand Boulevard

Dear Mr. Julius:

Under the terms and conditions of the above referenced permit, you are required to self-monitor Cardinal Glennon Children's Hospital's radioactive discharge to the municipal sewer. The results are to be reported quarterly. Your radioactive discharge report for third quarter of 2000 was due by October 28, 2000.

#### **VIOLATIONS OF PERMIT TERMS/CONDITIONS:**

The third quarter radioactive discharge report has not been received by the District. This is in violation of permit standard condition I.A.1 and permit special condition II.B.2 which require sampling and analyses for all regulated substances at the frequencies specified in your permit. Since no report was submitted, you did not satisfy the third quarter's reporting requirements.

#### REQUIRED ACTION/RESPONSE:

Submit the third quarter 2000 radioactive discharge report and a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your third quarter 2000 report and corrective action response by December 4, 2000.

If you have any questions, please contact me at 436-8756.

Sincerely, METROPOUI

757. LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

bv

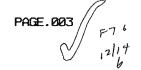
pc: suspense file

PART I:



**IDENTIFYING INFORMATION** 





## METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

### PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART II: ANALYTICAL RESULTS OF SELF MONITORING								
MSD SAMPLE POINT REFERENCE MUMBERS	>	7	001	T		T		
DATES ON WHICH SAMPLES WERE COLLECTED	>	09	-28-00	1	000000000000000000000000000000000000000	╫	A CONTRACTOR OF THE PROPERTY O	<b>I</b>
TIMES AT WHICH SAMPLES WERE COLLECTED	~>		0-3:30p.		boccocopoconnocococo-+	╁		1
PARAMETER	TIMIT	RECORD SAMPLE TYPES (G, C, M OR E) AND RESULTS BELOW			CM112			
FLOW		$\mathbb{I}^{-}$	Branched Street	Ī		T	I I	1
BOD	***	C	135		termination of the contract of	╁		ng/L
COD	****	С	304	1	***************************************	t		mg/L
pH (s.u.)	5.5-11.	5G	8.14	1		t		su
Temperature (Degrees C)	60	G	24.6	Ť		1		
TSS	****	C	260	╂		┪	-	mg/L
Oil and Grease	200	G	19	T	1	╫		mg/L
Silver	0.5	С	0.29	T		╫		
			***************************************	1-		<b> </b>		mg/L
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You must complete and sign the certification statements on the reverse side.

#### INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

PART	III: SPECIAL CERTIFI	ICATION STATEMENTS .			
permit a	nd PLACE YOUR INITIALS IN TH	in your discharge permit you may be E BOXES NEXT TO THOSE CERTIF on none of the certifications in PART	ICATIONS WHICH ARE	APPLICABLE TO YOUR FACILITY	væw you Y. If you
A	If your permit special conditions certification:	waive monitoring at any sample pois	u(s) specified in your pe	mit, you are required to make the	following
		ischarge monitoring report, there has	been no change in the Ch	aracter of the wastes discharged at	inilomsa i
8.	If your permit special conditions to are required to make the following	waive monitoring at active connection	points which are not sp	ecified as sample points in your pe	ermit, you
	I certify, since the last d	ischarge monitoring report, there has h are not specified in my permit.	been no change in the ci	aracter of wastes discharged at the	ose active
C.	I certify, since the perm	waive monitoring at inactive connect nit issue date, there has been no chi and no discharge occurred during th	unge in the status of con	nection points identified as inactive	
D.	If your permit special conditions a make the following certification:	authorize grab sample collection in lie	ou of composite sampling	at any sample point(s), you are re	equired to
		e results in this report accurately rec	resent our average daily	discharge at sample point(s)	
E	If your permit special conditions or to make the following certification	ohibit discharge of wastes which are a	ubject to certain categori	zi pretreatment standards, you are	bsiiupen
		discharge monitoring report, there h	as been no discharge o	wastes which are subject to pret	reatment
F.	at the Pharmaceutical sample po-	ical Categorical Standards (40 CFR 4 int(s) subject to the following certifical incharge monitoring report, cyanide in gorical Standards in 40 CFR 439.	tion:	_	•
	Components (40 CFR 469) can I Components sample point(s) sub Based on my inquiry of to organics (TTO), I certif	the person or persons directly respond y that, to the best of my knowledge ad since filing the last discharge moni	only at the Electroplating, sible for managing complete and belief, no dumping	Metal Finishing or Electrical & E ance with the permit limitation for to g of concentrated toxic organics	Dectrools otal toxic into the
PART N	: GENERAL CERTIFI	CATION STATEMENTS	•		
Initial the	box for statement A if it applies to	you. Everyone must complete the	e Information under st	tement B and sign this report.	
<b>A.</b> !	In lieu of monitoring for	ct only to MSD Ordinance limits can be YYO at sample point(s) a used at this premise or discharged in	. I certify that	to the best of my knowledge and b	eliat no
<b>3.</b> , (	DISCHARGE MONITORING REP	ORT CERTIFICATION			
lesigned ( who mana and belief, and Impris	to assure that qualified personnel ge the system, or those persons di	ment and all attachments were properly gather and evaluate the infinitely responsible for gathering the infinitely resp	ormation submitted. Bas domation, the information lattics for submitting false	ed on my inquiry of the person or	persons owledoe
п <b>и</b> к	Sirector, Safety & S	Anty	Totaphone:	314 248-4117	
Syriature:	- Kimil (	lalier.		0-11-0)	
		2	•	S	WF 1093

#### METROPOLITAN ST. LOUIS SEWER DISTRICT

### INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART	I: IDENTIFYING INFORMATION					
Comp	any Name: CARDINAL GLENNON CHILDREN'S He	OSPITAL				
Permi	No: 41121954-00					
Premi	se Address: 465 SOUTH GRAND BOULEVARD		A			
Report	ning Period:   JAN-MAR)   L(APR-JUN	E) X(JULY-SEPT)	□ (OCT-DEC)			
PAR	TH: RECORD OF DISPOSAL OF RADIO		THE SEWER SYSTEM			
	RADIONUCLIDE	ACTIVITY DISCHARGE				
		TICHTI DISCHARGE	20 (municunes)			
	T _n /	0.6	-			
	3.05	49 UCi_				
	hadiosotive Melides discharged by					
	Saint houis University	0.000				
			,			
	TOTAL ACTIVITY DISCHARGED:		900 000 000 000 000 000 000 000 000 000			
PART	III: CERTIFICATION STATEMENTS					
Place y	your initials in the boxes under item A which apprise B and sign this report.	ily to you. Everyone must co	omniete the information			
A.	CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS					
	I certify that to the best of my knowledge and belief, all requirements of 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for materials regulated by the Missouri Department of Health have been part for materials regulated by					
	the Missouri Department of Health have been me	t for the period covered by	this report.			
M	I certify that to the best of my knowledge and	belief, all requirements of	of 10 CPR Part			
re#1	20.2003 governing disposal by release into san the Buclear Regulatory Commission have been me	itary sewage for material r t for the period covered by	egulated by this report.			
B.	RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFI		•			
I cert;	ify under penalty of Law that this document and	all attachments were prepared	ared under my direction			
or thos	a the information submitted. Based on my inquir	A to the beason or beasons	hel properly gather and who manage the system.			
beat o	E my knowledge and belief	mroper cros, cos informació	on submitted is, to the			
violati	Ohn .	me homeroffich of 1700 and 17	mprisonment for knowing			
	or type name of signing official : /eui/	1 K. Julius				
Title:	Director Setch a Sourish		20.5. 1117			

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: October 5, 2000 Lab. No.: 2000MT0451 Invoice No.: 2000472

P.O. No.: 1407

SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Blvd. St. Louis, Missouri 63104-1095

ATTENTION: Mr. Kevin R. Julius

#### REPORT OF TESTS

SAMPLE MATRIX: WATER

SAMPLE LD. : WASTE WATER-COMPOSITE AND GRAB
SAMPLE DATE : 09-28-00 / 7:30 A.M. to 3:30 P.M.

DATE ANALYZED: 09-28-00 to 10-05-00

RESULTS: mg/L OR PARTS PER MILLION (PPM)

ANALYTE		MDL	METHOD NUMBER
Temperature (Degrees C)	24.6	0.1	170.1
pH (Std Units)	8.14	0.02	150.1
BOD	135	10	405.1
COD	304	10	410.1
TSS	260	5	160.2
Silver	0.29	0.01	272.1
Oil & Grease	19	5	1664

ND: Not Detected / MDL: MethodDetectionLimit

Identification of tested specimens provided by the client.

MIDWEST TESTING LABORATORIES, INC.

VICTOR V. GOROSTIZA Laboratory Director



## YEAR 0.000

## CARDINAL GLENNON CHILDREN'S HOSPITAL RIA INVENTORIES

ASSAY LOT #			
	uC 1	DATE REC'D	DATE DISPOSED
AUSAD	15	1-3-00	1-14-00
AUSRIA (d)	30	1-8-00	1-14-80
BH Trosza	<i>i0</i>	1-4-0	1-19-00
HGH	5	1-4-00	à 29 00
AUSRIA	15	1-7-00	2-29-00
_ Corat	15	1-7-00	2-29-00
- Ausab	15	1-7-00	2-29-00
Busat	15	1-26.00	3-15-00
13 13	5	1-31-00	3-15-00
	7	2-11-00	3-31-60
Durat	15	2-21-00	3-31-00
Swat	15	3-20-00	3-19-00 4-19.00
HGH	5	4-4-00 .	5-28-00
73	7	4-6-00	5-24-00
H64	5	5-4-00	6-12-60
Ausob	15_	5-18-00	6-12-00
HGP-		6-9-00	6-13-00
<u> </u>	7	verd 6-2-00 exp	7-2500
- QUEAR	15	per 6. 1300 pp 6/30/00	6-30-00
Ausas	<u>i5</u> .	6/14/00	6-19-00
AUSAB	15	6/20190	4-23-00
H6H	5	6/14/00	7-10-00
HEH -		7-10-00	2.31-00
<u> </u>	Π	7-28-00	9-12-00
AUSAB		7/29/00	9-7-03)
HGH ]	5	8111/00	9-7-50 8-28-00
AUSAB HGH Heit	5	7/29/00 8/11/00 8/15/00	8-28-00
1-y H6H		9-7-00 00 11-14	
H6H	<u> </u>	9/2/00	9-30-00
11011		10/4/10	
	<u> </u>		
HGH Ausab	<u>5</u> 15	9/5/00	9-30-00
AUSAB AUSAB		9-7-00 ex 11-14 9/2/00 10/4/00 9/5/00 /0/2/00	9-30-00
AUSAB AUSAB He H	15 15 5	10/02/00	
AUSAB AUSAB . He H		10/02/00	9-30 00
AUSAB AUSAB		9/5/00 /0/2/00 /0-18-00 /0-18-00	

### RADIATION SAFETY OFFICE INTEROFFICE MEMORANDUM

DATE:

October 5, 2000

TO:

Mr. Kevin Julius

Facilities and Compliance Manager

Facilities Department Cardinal Glennon Hospital

FROM:

Kevin Ferguson 12

Health Physicist

Radiation Safety Office

SUBJECT:

Sewer Discharges Of Radioactive Material and Quarterly Metropolitan St. Louis

Sewer District (MSD) Reports

As agreed to in the meeting between Mr. Mark Haenchen, Radiation Safety Officer and Mr. Al Wittrock, Safety Director on November 7, 1995, I am forwarding this notice that there were no discharges of radioactive materials from any of the Cardinal Glennon basement laboratories over which the Saint Louis University Radiation Safety Office maintains surveillance. This statement applies for the period beginning July 1, 2000 and ending September 30, 2000.

We will continue to report the discharges from the Pediatric Research Institute to MSD, as we have in the past. If you wish to have a copy of the report for the PRI, please give me a call at 577-8609.

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

#### PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART I:

**IDENTIFYING INFORMATION** 

Company Name: SSM CARDINAL CLENNONS CHILDREN'S HOSPITAL 41121954-00 Permit No: Premise Address: 1465 S. Grand Boulevard, St. Louis, Missouri 63104-1095 Monitoring Period: G(JAN-MAR) □(APR-JUNE) C(JULY-SEPT) □(OCT-DEC) Samples Collected By: Midwest Testing Laboratories. Incorporated Analyses Performed By: Midwest Testing Laboratories, Incorporated

ANALYTICAL RESULTS OF SELE MONITORING

MSD SAMPLE POINT RÉFERENCE NUMBERS	·····	T	001		602 003	description of the second of t	I
DATES ON WHICH SAMPLES WERE COLLECTED			02-29-00 7:30 a.m.		02-29-00 7:00 a.m.		
Flow Oil and Grease							
	200	G	16	G	14		mg/L
BOD	***	<u>  C</u>	75	<u>  c</u>	56		mg/L
TSS	****	<u></u>	195	LC	182		mφ/ĭ,
	****	C	90	C	100		mg/L
Temperature ( Degrees C )	60	G	22.5	G	15.8		mg/L
pH ( S.U. )	5.5-11	G	6.54	G	7.64		su
Silver	5	<u>  c</u>	0.04		<.01		me/L
TTO'S		LG.	0.30	L	(P)		mg/L
			0.0077				m&+ r
	······································		0.00,5				
				6	s 1/00		***************************************
				2/0	24/100		
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			***************************************				
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	*	$\dashv$		$\dashv$			~e-dp4ccconppgspccccc
			,	<b></b>	<del></del>		

You must complete and sign the certification statements on the reverse side.

PART I: IDENTIFYING INFORMATION

#### METROPOLITAN ST. LOUIS SEWER DISTRICT

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

Compa	my Name: CARDINAL GLENNON CHILDREN'S H	OSPITAL
Permit	No: 41121954-00	
Premis	Address: 1465 SOUTH GRAND BOULEVARD	
Reporti	ing Period:	NE) 🛘 (JULY-SEPT) 🗘 (OCT-DEC)
PAR7	U: RECORD OF DISPOSAL OF RADIO	ACTIVE MATERIALS TO THE SEWER SYSTEM
	RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
	I 125	252 ;C
		34
	,	
	Radioative Mulides discharged by	
	Soint hours doing he	٥.٤١٦)
	24.51.32	
		· · · · · · · · · · · · · · · · · · ·
	TOTAL ACTIVITY DISCHARGED:	252 3C;
PART	III: CERTIFICATION STATEMENTS	7500
	•	ply to you. Everyone must complete the information
<b>A.</b>	CERTIFICATION OF COMPLIANCE WITH	
P	I certify that to the best of my knowledge an 20-10-090 governing disposal by release into the Missouri Department of Sealth have been m	d belief, all requirements of 19 CSR Part
M	I cartify that to the best of my knowledge an 20.2003 governing disposal by release into sa the Nuclear Regulatory Commission have been m	Ditary sewace for material newslated by
٠.	EADIOACTIVE MATERIALS DISCHARGE REPORT CERTIF	PICATION
valuat r thos	to the information submitted. Based on my inquive persons directly responsible for gathering the fay incolledge and belief, true, accurate, as less for submitting false information, including	and all attachments were prepared under my direction assure that qualified personnel properly gather and iry fo the person or persons who manage the system, a information, the information submitted is, to the ind complete. I am aware that there are significant the possibility of fine and imprisonment for knowing
rint (	or type name of signing official :	a R. Julis
itle:	1/ 1: 0 1 1	Telephone:
	<u> </u>	



#### INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

#### PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify one or more of the following. Please review your permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your permit contains no Special Conditions, then none of the certifications in PART III apply to you. GO ON TO PART IV.

A.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(s)
8.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you are required to make the following certification:
	I certify, since the last discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification:  I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D.	If your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to make the splowing condition:
	I certify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
E.	If your permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required to make the following certification:
	1 certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F.	Discharges subject to Pharmaceutical Categorical Standards (40 CFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following cartification:  1 certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
<b>3</b> .	Discharges Subject to Categorical Standards for Electroptating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following cartification:  Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since fling the last discharge monitoring report. I further certify that this facility is implementing the toxic
	and the common of the common o
ART	amount amountaine Atticutain
men ni	box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.
•	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification:  In lieu of monitoring for TTO at sample point(s)
	DISCHARGE MONITORING REPORT CERTIFICATION
to man id belis	inder penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system to assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons ago the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge someont for knowing violations.
	rooment for knowing violations.  Region R J. Visco
lo:	Disade of C[] /c . ]
jnature	I respinance: 158 4111

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SMF 10/93

Carley 197

# MIDWEST TESTING LABORATORIES

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: March 10, 2000 Lab. No.: 2000MT0101 Invoice No.: 200123

1-11-11

in the

SSM CARDINAL GLENNONS CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, Missouri 63103-1095

ATTENTION: Mr. Kevin Julius

#### REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE LD. : Sample Point Ref. Number: 001

Waste Water 7:30 a.m. / 02-29-00 to 4:00 p.m. / 02-29-00

Grab Sample 7:30 a.m. / 02-29-00 Sample Point Ref. Number: 002

Waste Water 7:00 a.m. / 02-29-00 to 4:00 p.m. / 02-29-00

Grab Sample 7:00 a.m. / 02-29-00

DATE ANALYZED: 02-29-00 to 03-06-00

RESULTS: mg/L OR PARTS PER MILLION (PPM)

ANAEYTE		001	-882 0/3	MDL	METHOD NUMBER
Oil & Grease		16	: 14	5	1664
BOD	1 概分号	75	- 56	10	405.1
COD	i ei le	195	182	10	410/1
TSS		90	100	. 5	160.2
Temperature (Degrees	C)	22.5	19 15.8	0.1	170.1
pH (Std Units)		6.54	7.64	0.02	150.1
Silver	ांग द्रीक्षी क	0.04	ND	0.01	272.1

ND: Not Detected / MDL: Method Detection Limit

Identification of tested specimens provided by the client

# PER BILLION (PPB) VOLATILE ORGANICS

ANALYTE	001	002	MDL
Dichlorodifluoromethane	ND	, ND	5.0
Chloromethane	ND	ND	5.0
Vinyl Chloride	ND	ND	5.0
Bromomethane	ND	ND	5.0
Chloroethane	. ND	ND	5.0
Trichlorofluoromethane	ND	ND	5.0
1,1'-Oxybis-ethane	, ND	ND	5.0
Acrolein de l	ND \	ND	100
Acetone	NO4-70 99.4	ND	10.0
1,1-Dichloroethene	ND \	ND	5.0
Iodomethane ":	מא	ND	5.0
Allyl Chloride	ND	, i ND	5.0
Carbon Disulfide	ND	ND	5.0
Methylene Chloride	War in the second	NΩ	30 ∠, D/
Acrylonitrile	ND'	ND	5.0
2-Methoxy-2-Methylpropane	ND	ND	5.0
Hexane	ND	ND	5.0
Trans-1,2-Dichloroethene	ND	ND	5.0
Vinyl Acetate	ND	ND	5.0
1,1-Dichloroethane	ЙD	ND	5.0
2-Butanone	ND	ND	5.0
Propionitrile	ND	. ND .	5.0
2,2-Dichloropropane	(M) ND	ND	5.0
cis-1,2-Dichloroethene	ND :	ND	5.0
Methacrylonitrile	ND	ND	5.0
2-Propenic acid, methyl ester	ND ,	ND	5.0

Page 1 of 3



# MIDWEST TESTING LABORATORIES.

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

ANALYTE 6	001		A WAY A
Chloroform (2)	NO	002 NO	MDL -01
Bromochloromethane	NO.	ND	5.0
Tetrahydrofuran	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	5.0
I 1 Chlorobusoso	ND	ND	5.0
Heptane	ND	ND	5.0
1,1-Dichloropropene	ND	ND ND	~~~~
Carbon Tetrachloride	ND		5.0
1,2-Dichloroethane	ND	ND ND	5.0
Benzene	ND	ND	5.0
Trichloroethene	ND	ND	5.0
1,2-Dichloropropane	ND	\$550	5.0
Methyl methacrytate	ND ND	ND ND	5.0
Bromodichchloromethane	ND	ND	5.0
Dibronomethane 11	ND	ND ND	5.0
2-Nitronronona	ND	ND	5.0
2-Chloroethyl vinyl ether	ND	**************************************	5.0
1,1-Dichloro-2-Propanone	ND	A 44./	5.0
cis-1,3-Dichloropropene	ND	ND ·· ND	5.0
Ethyl Methacrylate	ND	1 4 4 4 4	5.0
Trans 1.3-Dichloropropene	ND ND	ND	5.0
		ND	5.0
1,1,2-Trichloroethane 2-Hexanone	ND ND	ND	5.0
1,3-Dichloropropane	ND	ND ND	5.0
Dibromochloromethane	ND		5.0
Bromoform	ND ND	ND ND	5.0
4-Methyl-2-Pentanone	1 Cm		5,0
Toluene	ND ND	\\\\\	5.0
Tetrachlorocthene	ND ND	ND	2.0
1,2-Dibromoethane		ND	5.0
Chlorobenzene	ND	ND	5.0
	ND	ND	5.0
1,1,1,2-Tetrachloroethane  Ethylbenzene	ND	, ND	5.0
	27.3	ND	5.0
m.p-Xylenes o-Xylene	5.7	ND	5.0
B	578	ND	5.0
DIVICE	ND	ND	5.0
Isopropylbenzene	ND	ND	5.0
1,1,2,2-Tetrachloroethane	, ND	ND	5.0
1.2,3-Trichloropropane	ND	ND	5.0
1.4-Dichloro-2-butene	ND	ND	5.0
n-Propylbenzene	ND	ND	5.0
Bromobenzene	ND	ND	5.0
1,3,5-Trimethylbenzene	ND	ND	5.0
2-Chlorotoluene	ND	ND	5,0
4-Chlorotoluene	ND	ND	5.0

Page 2 of 3

# MIDWEST TESTING LABORATORIES



2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

ANALYTE	001	002	MDL
tert-Butylbenzene	ND	ND	5.0
1,2,4-Trimethylbenzene	ND	ND	5.0
Pentachloroethane	ND	ND	5.0
sec-Butylbenzene	ND	ND	5.0
p-Isopropyltoluene	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	5,0
n-Butylbenzene	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND :	5.0
Hexachloroethane	ND	ND	5.0 ⁻
1,2-Dibromo-3-chloropropane	ND	ND	5.0
Nitrobenzene	ND	ND	5.0
1,2,4-Trichlorobenzene	ND	ND	5.0
Hexachlorobutadiene	ND	ND	5.0
Naphthalene	ND	, ND	5.0
1.2.3-Trichlorobenzene	ND	ND	5.0

ND: Not Detected / MDL: Method Detection Limit

Identification of tested specimens prvided by the client.

Pagé 3 of 3

# TESTING LABORATORIES

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: March 10, 2000 Lab No.: 2000MT0101 Invoice No.: 200123

SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 S. Grand Bonlevard

St. Louis, Missouri 63104-1095

ATTENTION: Mr. Kevin Julius

REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE LD.

: Sample Point Ref. Number: 001 Waste Water Grab, 7:30 a.m. / 02-29-00 Sample Point Ref. Number: 002 Waste Water Grab, 7:00 a.m. / 02-29-00

DATE EXTRACTED: 03-01-00 DATE ANALYZED : 03-01-00

: EPA 600 METHOD 625 METHOD REF.

RESULTS: mg/L OR PARTS PER MILLION (PPM)

11.

#### **SEMI-VOLATILE ORGANICS**

ANALYTE	001	002	MDL
bis- (Chloromethyl) - ether,	ND	ND	0.010
Pyridine	ND	ND	0.010
Aniline	ND	ND	0.010
Benzyl alcohol		ОТИ	0.010
Phenol (	NO	NO	0.202.01
2-Chlorophenoi	ND	ND	0.010
bis-(2-Chloroethyl) ether	ND	ND	0.010
N-nitrosodimethylamine	ND	ND	0.010
bis- (2-Chloroisopropyl) ether	ND	ND :	0.010
N-Nitroso-di-n-propylamine	ND	ND '	0.010
1.3-Dichlorobenzene	ND	ND	0.010
1,4-Dichlorobenzene	ND	ND	0.010
1.2-Dichlorobenzene	ND	ND	0.010
o-Cresol	ND	- ND	0.010
m,p-Cresol	ND:	- ND	0.010
Hexachlorocthane	ND:	ND ;	0.010
Nitrobenzene	ND.	ND	0.010
2,4-Dimethylphenol	ND	ND	0.010
4-Chloroaniline	ND.	ND	0.010
2-Nitrophenol	ND	ND	0.010
2,4-Dichlorophenol	ND	ND	0.010
Benzoic acid	Ν̈́D	ND	0.050
4-Chloro-3-methylphenol	ND	ND	0.010
bis (2-Chloroethoxy) methane	ND.	, ND	0.010
Isophorone	ND	ND	0.010



2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

	ì		
ANALYTE	G01 ¹	002	MOL
1.2,4-Trichlorobenzene	ND	ND	0.010
2-Methylnaphtalene	ND	ND	0.010
Hexachlorocyclopentadiene	ND	ND	0.010
Naphthalene	ND	ND.	0.010
Hexachlorobutadiene	ND	ND	0.010
2.4,6-Trichlorophenol	ND ND	ND	0.010
2,4,5-Trichlorophenol	ND	ND	0.010
2-Nitroaniline	ND.	ND	0.010
3-Nitroaniline	ND ND	ND	0.010
4-Nitroaniline	ND	ND	Q.010
2.4- Dinitrophenol	100	NO	10-200
4-Nitrophenol		ND	0.010
4,6-Dinitro-2-methylphenol	ND	ND	0.010
2-Chloronaphthalene	ND ·	ND	0.010
4-Chlorophenyl phenyl ether	ND	ND	0.010
Dimethyl phthalate	ND:	ND	0.010
2,6-Dinitrotoluene	ND	ND	0.010
Acenaphthylene	ND !	ND ND	0.010
Dibenzofuran	ND:	ND.	0.010
Diethyl phthalate	ND	ND	0.010
Acenaphthene	ND :	, ND	0.010
Benzo(g,h,i)perylene	ND	ND	0.010
Fluorene	ND	ND,	0.010
Azobenzene	ND :	ND	0.010
2,4-Dinitrontoluene Hexachlorobenzene	ND	ND	0.010
	ND	ND:	0.010
Pentachlorophenol	ND	ND.	0.010
N-Nitrosodiphenylamine	ND	ND	0.010
4-Bromophenyl phenyl ether  Carbazole	ND	ND	0.010
Di-n-butyl phthalate	ND	ND.	0.010
Phenanthrenc	ND	ND	0.010
Anthracene	ND	ND	0.010
Fluoranthene	ND	ND	0.010
Butyl benzyl phthalate	ND	ND	0.010
bis (2-ethylhexyl) phthalate	ND	ND	0.010
Pyrene Pyrene	ND	ND	0.010
Benzo(a)anthracene	ND .	ND	0.010
Chrysene	ND	ĆIN	0.010
3,3'-Dichlorobenzidine	ND	ND	0.010
Di-n-octyl phthalate	ND	ND	0.010
Benzidine	ND	ND	0.010
Benzo(b)fluoranthene	ND .	NO	0.010
Benzo(k)fluoranthene	ND	ND :	0.010
	NO	ND	0.010
Benzo(a)pyrene	ND	. ND	0.010



(314) 773-3035 • FAX (314) 773-3519 St. Louis, MO 63118 2645 Gravois Avenue •

ANALYTE	001	002	MOL
Dibenzo(a,b)anthracene	ND	ΝD	0.010
Indeno(1,2,3-cd)pyrene	ND	: ND	0.010

ND: Not Detected / MDL: Method Dection Limit

Identification of tested specimens provided by the client.

Page 3 of 3

# MIDWEST TESTING LABORATORIES

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: March 10, 2000 Lah. No.: 2000MT0101 Invoice No.: 200123

SSM CARDINAL GLENNON CHILDREN'S HOSPITAL

1465 S. Grand Boulevard

St. Louis, Missouri 63104-1095

ATTENTION: Mr. Kevin Julius

REPORT OF TESTS

SAMPLE MATRIX: WASTE WATER

SAMPLE LD. : Sample Point Ref. Number: 001 Waste Water Grab, 7:30 a.m. / 02-29-00

DATE EXTRACTED: 03-02-00 DATE ANALYZED: 03-03-00

RESULTS: ug/L OR PARTS PER BILLION (PPB)

ORGANOCHLORINE PESTICIDE ANALYSIS

SW-846 METHOD 8081

001	MDL
ND	0.016
ND ND	0.007
0.0612-0	0.016
ND	0.007
ND	0.022
ND:	0.015
ND .	0.016
ND \	0.009
0.182-0	0.016
ND	0.007
ND	0.016
ND	0.009
ND ND	0.082
0.062 / 0	0.016
ND	: 0.082
, ND	. 0.022
ND	. 0.082
ND	0,109
ND ND	0.262
	001  ND  ND  ND  ND  ND  ND  ND  ND  ND  N

ND: Not detected / MDL: Method Detection Limit

# MIDWEST TESTING LABORATORIES

2645 Gravois Avenue • St. Louis, MO 63118 • (314) 773-3035 • FAX (314) 773-3519

Date: March 10, 2000 Lab. No.: 2000MT0101 Invoice No.: 200123

SSM CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, Missouri 63104-1095

ATTENTION: Mr. Kevin Julius

REPORT OF TESTS

**SAMPLE MATRIX**: WASTE WATER

SAMPLE LD. : Sample Point Ref. Nu

: Sample Point Ref. Number: 002 Waste Water Grab, 7:00 a.m. / 02-29-00

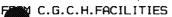
DATE EXTRACTED: 03-02-00 DATE ANALYZED: 03-03-06

RESULTS: ug/L OR PARTS PER BILLION (PPB)

ORGANOCHLORENE PESTICIDE ANALYSIS
SW-846 METHOD 8081

ANALYTE	002	MDL
Aldrin	ND .	0.324
alpha-BHC	, ND	0.130
beta-BHC	ND	0.324
gamma-BHC (Lindane)	ND '	0.130
delia-BHC	ND	0.432
Chlordane	ND	0.302
4,4'-DDD	", ND	. 0.324
4,4'-DDE	ND	0.173
4,4*-DDT	ND	0.324
<b>Dieldrin</b>	ND	0.130
Endosulfan I	ND.	0.324
Endosulfan II	ND	0.173
Endosulfan Sulfate	ND II	1.62
Endrin	ND ,	. 0.324
Endrin Aldehyde	' ND is	1.62
Heptachlor	ND	0.432
Heptachlor Epoxide	ND	1.62
Methoxychlor	ND	2.16
Toxaphene	ND	5.18

ND: Not detected / MDL: Method Detection Limit









# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

# PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS REPORT

PART	t:	IDENTIFYING	INFORMATION

Company Name: SSM_CARDINAL_GLENNON_CHILDRENTS_HOSPITAL.

Permit No: 41121954-00

Premise Address: 1465 S. Grand Blvd. St. Louis, Missouri 63103-1095

Monitoring Period: (JAN-MAR) (APR-JUNE) (JULY-SEPT) (OCT-DEC)

Samples Collected By: Midwest Testing Laboratories, Incorporated

Analyses Performed By: Midwest Testing Laboratories, Incorporated

PART II: ANALYTICAL RESULTS OF SELF MONITORING							A COLUMN
MSD SAMPLE POINT REFERENCE MANBERS	~		001				
DATES ON WHICH SAMPLES WERE COLLECTED>		0.5	5-1 <b>5-</b> 00		bbddhodod foddianniangdobronnnhadal	nadacerarracernaparananaeraeace <del>l 1800 - Processor</del>	
TIMES AT WHICH SAMPLES WERE COLLECTED		7:30	Da.m3:3	p.:	m .		<b></b>
PARAMETER LIMIT			RECORD SAMPLE TYPES (G, C, N OR E) AND RESULTS HELOW G-grab, C-composite, N-measured flow, E-extimated flow				UNITS
FLOW			garinaning kangang kan		Printer Programme (constitution of the constitution of the constit		4
Biochemical Oxygen Demand	****	C.	244		labbasedansisanadaseanaanabbaseanas eida	**************************************	ng/I.
Chemical Oxygen Demand	***		/./.7				ng/L
Oil and Grease	200	G	20	-			ng/L
pH (s.u.)	5.5-11	G	7,37				<u>,                                    </u>
Temperature (Degrees C) Total Suspended Solids	60 ****	G C	30 178	H			C ng/L
Silver		С	0.05				ng/L
		1	onnederenbetreebligerettedtiooogs/##################################				-
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					processor of Petho	_	
		1					

You must complete and sign the certification statements on the reverse side.

PART I: IDENTIFYING INFORMATION



#### METROPOLITAN ST. LOUIS SEWER DISTRICT

## INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

Company Nan	E CARDINAL GLENNON CHI	LDREN'S HOS	PITAL	·	
ermit No:	41121954-00				
remise Addre	ss: 1465 SOUTH GRAND BOULE	VARD	000000000000000000000000000000000000000	**************************************	
Reporting Peri	iod:   JAN-MAR)	(APR-JUNE)	(JULY-SEPT)	□ (OCT-DEC)	
PART II:	RECORD OF DISPOSAL O			O THE SEWER SYSTEM	
	RADIONUCLIDE		ACTIVITY DISCHAR		
	I 125		94,0		
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<u>L</u>	TOTAL ACTIVITY DISCHARGE	ED:	94,0		
	nitials in the boxes under item A B and sign this report. TIFICATION OF COMPLIAN				
I cer 20-10 the M	tify that to the best of my kn .090 governing disposal by rel issouri Department of Health h	owledge and b	elief, all requirement	s of 19 CSR Part	
M/) ZU-ZU	I certify that to the best of my knowledge and belief, all requirements of 10 CFR Part 20.2003 governing disposal by release into samitary sewage for material regulated by the Muclear Regulatory Commission have been met for the period covered by this report.				
. RADIO	ACTIVE MATERIALS DISCHARGE REP	ORT CERTIFICA	TION	i	
valuate the r those per est of my l maltics for lolations.	der penalty of Law that this of in accordance with a system de information submitted. Based of sons directly responsible for games and belief, true, acr submitting false information, a mama of signing official:	esigned to assume my inquiry athering the including the including the	are that qualified person for the person or person formation, the information of the law aware to possibility of fine and	sonnel properly gather and the who manage the system ation submitted is, to the	
iele: D	rector Sater + Septy			31.6-4117	
ignature:	Ken Rallen	•		168-4117	
m Therease a sept of the 4 was		<del></del>	Date:	UV .	

# INDUSTRIAL USER SELF MONITORING REPORT PAGE 2.

PART III: SPECIAL CERTIFICATION STATEMENTS

o diamenta a manusa di a di	you may be required to certify one or more of the following. Please review your
Based on the special conditions contained in your discharge perma	SE CERTIFICATIONS WHICH ARE APPLICABLE TO YOUR FACILITY. If your in BAST III apply to you. GO ON TO PART IV.
permit and PLACE YOUR INITIALS IN THE BOXES NEXT TO THOSe	DART IN ARREST OF ON TO PART IV.
and contains no Special Conditions, then none of the centrications	S in PART III apply to you.

permit co	ntains no special Conditions. their manual and the second
A.	If your permit special conditions waive monitoring at any sample point(s) specified in your permit, you are required to make the following
	certification:  I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sampling point(6) Obt
8.	If your permit special conditions waive monitoring at active connection points which are not specified as sample points in your permit, you
	are required to make the following certification:  I certify, since the tast discharge monitoring report, there has been no change in the character of wastes discharged at those active connection points which are not specified in my permit.
C.	If your permit special conditions waive monitoring at inactive connection points, you are required to make the following certification:  I certify, since the permit issue date, there has been no change in the status of connection points identified as inactive. These points remain inactive and no discharge occurred during the period covered by this report.
D.	If your permit special conditions authorize grab sample collection in lieu of composite sampling at any sample point(s), you are required to
	make the following cartification:  I cartify the grab sample results in this report accurately represent our average daily discharge at sample point(s)
E.	Hyour permit special conditions prohibit discharge of wastes which are subject to certain categorical pretreatment standards, you are required
<b>4</b>	to make the following certification:  1 certify, since the last discharge monitoring report, there has been no discharge of wastes which are subject to pretreatment standards in 40 CFR
F.	Discharges subject to Pharmaceutical Categorical Standards (40 GFR 439) can be exempted from limitations and monitoring for Total Cyanide at the Pharmaceutical sample point(s) subject to the following certification:  I certify, since the last discharge monitoring report, cyanide has not been used or generated in any pharmaceutical manufacturing process subject to Categorical Standards in 40 CFR 439.
G.	Discharges Subject to Categorical Standards for Electroplating (40 CFR 413), Metal Finishing (40 CFR 433) or Electrical & Electronic Components (40 CFR 469) can be exempted from TTO monitoring only at the Electroplating, Metal Finishing or Electrical & Electronic Components sample point(s) subject to the following cartification:  Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to MSD.
PART	•
Initial the	box for statement A if it applies to you. Everyone must complete the information under statement B and sign this report.
A.	Discharges at sample points subject only to MSD Ordinance limits can be exempted from TTO monitoring subject to the following certification:  In lieu of monitoring for TTO at sample point(s)
<b>B.</b> ,	DISCHARGE MONITORING REPORT CERTIFICATION
designe	under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system of the assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons age the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge the system, or those persons directly responsible for gathering the information false information, including the possibility of fine
	if, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine risonment for ignoring violations.
Print or	type name of signing official Kevin R Julius
Tito:	Director of Scruitop/sefety Tetephone: 268-4117
Signatu	10: Kirs R Julius Date: 7-2-00
	SMF 10/93



## Metropolitan St. Louis Se District

Department of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

August 18, 2000

Kevin R. Julius Facilities Compliance Manager CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104

RE:

NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at:

1465 S. Grand Boulevard

Dear Mr. Julius:

The Under the terms and conditions of the above referenced permit, you are required to self-monitor the discharge at the identified sampling points. Monitoring is to be performed for the parameters listed and at the frequency specified in the permit. The results are to be reported quarterly. Your report for second quarter of 2000 was due by July 28, 2000.

#### **VIOLATIONS OF PERMIT TERMS/CONDITIONS:**

The second quarter self-monitoring report has not been received by the District. This is in violation of permit standard condition I.A.1 which requires sampling and analyses for all regulated substances at the frequencies specified at your sampling points. Since no report was submitted, you did not satisfy the second quarter's reporting requirements.

The reporting requirements of your permit also includes completing a certain certification for each quarter. Even if sampling and analytical requirements can not be met, the report should still be submitted with the applicable certification completed. The violation will then be recorded as an incomplete report rather than "no report".

#### **REQUIRED ACTION/RESPONSE:**

Submit the second quarter 2000 report with the applicable certifications completed, any available second quarter self-monitoring data, and a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your second quarter report and corrective action response by August 28, 2000.

If you have any questions, please contact me at 436-8756.

Sincerely

METROPOLITAN ST . LQUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

dss

pc: Suspense file Jim Goodall



## Metropolitan St. Louis Se District

Department of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

August 14, 2000

Kevin R. Julius Facilities Compliance Manager CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104

RE:

NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at:

1465 S. Grand Boulevard

Dear Mr. Julius:

Under the terms and conditions of the above referenced permit, you are required to self-monitor Cardinal Glennon Children's Hospital's radioactive discharge to the municipal sewer. The results are to be reported quarterly. Your radioactive discharge report for second quarter of 2000 was due by July 28, 2000.

#### **VIOLATIONS OF PERMIT TERMS/CONDITIONS:**

The second quarter radioactive discharge report has not been received by the District. Please note that this is the third consecutive reporting period in which no radioactive report was submitted. This is in violation of permit standard condition I.A.1 and permit special condition II.B.2 which require sampling and analyses for all regulated substances at the frequencies specified in your permit. Since no report was submitted, you did not satisfy the second quarter's reporting requirements.

#### REQUIRED ACTION/RESPONSE:

Submit the fourth quarter 1999 radioactive discharge report, the first and second quarter's 2000 radioactive discharge reports, and a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your fourth quarter 1999 report, first and second quarter's 2000 reports and corrective action response by August 25, 2000.

If you have any questions, please contact me at 436-8756.

Sincerely, METROPO

ITAN ST. LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

Idl

pc: suspense file



### Metropolitan St. Louis Seer District

Department of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

May 15, 2000

Kevin R. Julius Facilities Compliance Manager CARDINAL GLENNON CHILDREN'S HOSPITAL 1465 S. Grand Boulevard St. Louis, MO 63104

RE: NOTICE OF PERMIT VIOLATIONS

Discharge Permit No: 41121954-00

For premise at: 1465 S. Grand Boulevard

Dear Mr. Julius:

Under the terms and conditions of the above referenced permit, you are required to self-monitor the discharge at the identified sampling points. Monitoring is to be performed for the parameters listed and at the frequency specified in the permit. The results are to be reported quarterly. Your report for first quarter of 2000 was due by April 28, 2000.

#### **VIOLATIONS OF PERMIT TERMS/CONDITIONS:**

The first quarter self-monitoring report has not been received by the District. This is in violation of permit standard condition I.A.1 which requires sampling and analyses for all regulated substances at the frequencies specified at your sampling points. Since no report was submitted, you did not satisfy the first quarter's reporting requirements.

The reporting requirements of your permit also includes completing a certain certification for each quarter. Even if sampling and analytical requirements can not be met, the report should still be submitted with the applicable certification completed. The violation will then be recorded as an incomplete report rather than "no report".

#### **REQUIRED ACTION/RESPONSE:**

Submit the first quarter 2000 report with the applicable certifications completed, any available first quarter self-monitoring data, and a report of corrective actions, which you have initiated, to ensure that the reporting requirements will be met in future reporting quarters.

Failure to perform the monitoring and reporting requirements of your permit places your company in Significant Noncompliance (SNC), as defined in District ordinance 8472 and federal pretreatment regulations 40 CFR 403. SNC companies are subject to enforcement action by the District. At a minimum, the District is required to list SNC companies in an annual newspaper publication.

Please submit your first quarter report and corrective action response by May 22, 2000.

If you have any questions, please contact me at 436-8756.

\$incerely, METROPO

ST. LOUIS SEWER DISTRICT

Fabian T. Grabski Assistant Engineer

Idl

pc: Suspense file

cc: Jim Goodall



### Metropolita St. Louis Sewer District

Department of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913 (314) 436-8710 FAX (314) 436-8753

February 8, 2000

Kevin Ferguson

ST. LOUIS UNIVERSITY HEALTH SCIENCES CENTER

1402 S. Grand

Doisy Bldg, Room RB5

St. Louis, MO 63104-1028

Re: Anheuser-Busch Institute

Cardinal Glennon Children's Hospital Institute for Molecular Virology Pediatric Research Institute

St. Louis University

St. Louis University Health Sciences Center

St. Louis University Hospital

St. Louis University Medical School St. Louis University Storage Bldg.

Dear Mr. Ferguson:

As you may be aware, the Metropolitan St. Louis Sewer District prohibits the discharge of radioactive material to the sewer system, except those discharges specifically approved by the District. The facilities referenced above have such approvals. As part of the approval, you are required to complete and submit Industrial User Radioactive Materials Discharge Reports each quarter.

We have recently revised the Discharge Report. Under Part III.A of the report, the Certification of Compliance with State and Federal Regulations has been modified so that now only a single certification is required. The previous version of the report required two separate certifications, which resulted in some companies failing to make the correct certification.

A copy of the revised report is enclosed for your use. Please begin using the revised report immediately. You should discard all copies of the previous version.

If you have any questions, please contact me at 314-436-8717.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

Douglas M. Mendoza, P.E. Industrial Waste Engineer

Enclosure - revised Radioactive Discharge Report

pc Permits Unit

Jays book

#### METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

F .

PART I: IDENTIFYING INFORMATION Company Name: _____ Permit No: Premise Address: Reporting Period: □(JAN-MAR) □(APR-JUNE) □(JULY-SEPT) PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM ACTIVITY DISCHARGED (millicuries) RADIONUCLIDE TOTAL ACTIVITY DISCHARGED: PART III: CERTIFICATION STATEMENTS Place your initials in the box under item A. Everyone must complete the information under items A & B and sign this report. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS Δ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION В. I certify under penalty of Law that this document and all attachments were prepared under my I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Print/type name of signing official: _____ Telephone: Title: Signature: Date: ______ Date: ______

# SSM Cardinal Glennon Children's Hospital

January 26, 2000

Fabian T. Grabski Assistant Engineer Metropolitan St. Louis Sewer District Department of Environmental Compliance 10 East Grand Avenue St. Louis, MO 63147-2913

RE: Industrial User Questionnaire

Discharge Permit No: 41121954-00 For premises at: 1465 So. Grand Blvd.

Dear Mr. Grabski:

Thank you for your January 4, 2000 letter identifying items that needed further information or correction on pages 3 and 4 of the IUQ. Those items identified have been corrected on pages 3 and 4 provided by you and are enclosed.

Please call me at 268-4117 if you have further questions or concerns.

Sincerely,

Kevin R. Julius

Cardinal Glennon Children's Hospital

Enclosures

RECEIVED

JAN 28 2000

and the second second of the second of the second of the second of the second of Environmental Compliance

1465 South Grand Blvd. St. Louis, MO 63104-1095 (314) 577-5600 phone www.cardinalglennon.com

. Name:	55M Cardinal Glennon
ct #:	4112195400
	OLDER
	CORRESPONDENCE
	FROM
	97
	THRU
	99

01-22-15 Moved to ARCHIVED PERMIT files. MI